



# भारत का राजपत्र

## The Gazette of India

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No. 12] NEW DELHI, SATURDAY, MARCH 19, 1977 (PHALGUNA 28, 1898)

इस भाग में भिन्न पृष्ठ संख्या वी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड 2

#### (PART III—SECTION 2)

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बंधित अधिसूचनाएं और नोटिस  
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

#### THE PATENT OFFICE

#### PATENTS AND DESIGNS

Calcutta, the 19th March 1977

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

10th February, 1977.

190/Cal/77. Chinoi Gyogyszer ES Vegyeszeti Termek Gyara RL. Fused pyrimidine derivatives and process for the preparation thereof.

191/Cal/77. Indian Oil Corporation Limited. Kerosene wick stove.

192/Cal/77. Dr. C. Otto & COMP. GMBH. System for discharging dusty gases resulting from the pushing of coking ovens.

193/Cal/77. Stauffer Chemical Company. Certain formamide dithiophosphates and phosphomates and their use as insecticides.

194/Cal/77. Lucas Industries Limited. Electromagnetic relay. (February 19, 1976).

195/Cal/77. Lucas Industries Limited. Dynamo electric machine stator body. (February 21, 1976).

196/Cal/77. Stork Brabant B.V. A rotary screen printing machine, a method for operating such as machine and a record means destined therefor. (October 4, 1976).

197/Cal/77. Bayer Aktiengesellschaft. Process for the preparation of copper phthalocyanine.

198/Cal/77. Bayer Aktiengesellschaft. Process for preparing substituted phenylguanidines. [Divisional date April 16, 1975.]

14th February, 1977.

199/Cal/77. Nestle's Products Limited. Spice extract.

200/Cal/77. S. Lindell. A loose-leaf binder.

201/Cal/77. Aluminumpipari Tervezo ES Kutato Intezet and Almasfuzittoi Timfoldgyar. Process for the intensification of the digestion and sedimentation steps of the alumina production according to the bayer technology.

202/Cal/77. SID Richardson Carbon & Gasoline Co. Carbon black reactor with axial flow burner.

203/Cal/77. Nicholson Realty Ltd. Mixture for supporting surfacing.

204/Cal/77. Dana Corporation. Clutch with friction reducing lever assembly.

205/Cal/77. Ethicon Inc. Bonded controlled release needle-suture combinations.

206/Cal/77. S. K. Bain. A shattering column.

207/Cal/77. M. Sethi. A preparation.

208/Cal/77. Concast A.G. A mould for continuously casting steel billet and bloom sections.

209/Cal/77. American Cyanamid Company. Insecticidal compositions coated with shellac.

210/Cal/77. Miles Laboratories, Inc. Test composition, device and method.

211/Cal/77. Shell Internationale Research Maatschappij B.V. Process for the gasification of finely divided ash-containing fuels.

212/Cal/77. Tca Sales & Allied Industries (India) Pvt. Ltd. Improved lathe for machining two rolls simultaneously.

213/Cal/77. Bayer Aktiengesellschaft. Process for the preparation of copper phthalocyanine.

214/Cal/77. Bayer Aktiengesellschaft. Styryl dyestuffs.

215/Cal/77. Hasbro Industries, Inc. Apparatus for trimming an extrudate.

15th February, 1977.

216/Cal/77. Jacques, Louis, Camille Lacroix. Improvements in or relating to a connecting device for achieving the electrical junction and mechanical assembly of at least two conductors. (February 17, 1976).

217/Cal/77. Chicago Pneumatic Tool Company. Air pulse noise damper for a pneumatic tool.

218/Cal/77. A. G. Copson. Divers exhaust valve. February 16, 1976.

16 February, 1977.

219/Cal/77. J. M. Noguera. Bobbin holder for textile machines.

220/Cal/77. Saunders Valve Company Limited. Improvements in and relating to fluid control valves. (March 10, 1976).

221/Cal/77. Ultra-Centrifuge Nederland N.V. Apparatus for precipitating and separating a material in a solid form from a gaseous mixture.

222/Cal/77. Verson Allsteel Press Company. Low inertia clutch and brake system.

223/Cal/77. Associated Engineering Italy S.p.A. Pistons, and piston and connecting-rod assemblies.

224/Cal/77. Societe D'Appareillage Electrique Separal, S.A. An electromagnetic relay. (October 25, 1976).

225/Cal/77. Sterilitamaxky Optyno-Promyshlenny Neftekhimichesky Zavod. Method of preparing 2, 6-di-tert-butyl-4-methylphenol.

226/Cal/77. Nauchno-Issledovatelsky Konstruktorsko-Tekhnologichesky Institut Shinnoi romyshlennosti, Apparatus for the building of pneumatic types and rubberized cord casings.

227/Cal/77. Gulf Research & Development Company. Riser for an offshore platform.

228/Cal/77. Montedison S.p.A. and L. Ortolani. Process for preparing coupled and coextruded two- or multi-layer articles made of thermoplastic material, gas-, vapour- and odour-proof.

#### ALTERATION OF DATE

141512. } Post-dated 6th March, 1975.

24/Bom/74. } Post-dated 28th September, 1973.

141534. } Post-dated 10th February, 1975.

164/Bom/74. } Post-dated 10th February, 1975.

#### COMPLETE SPECIFICATIONS ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents on any of the applications concerned, may at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months

given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification respectively".

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8 Kiran Shankar Roy Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 136E.

141509.

Int. Cl.-B29f 5/00.

#### TUBE WITH THICKENED SOCKET END.

*Applicant* : WAVIN B. V., OF 251, HANDELLAAN, ZWOLLE, THE NETHERLANDS.

*Inventor* : WARNER JAN DE PUTTER.

Application No. 1406/Cal/73 filed June 15, 1973.

Convention date September 26, 1972/(44324/72) U.K.

Appropriate office for opposing Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

Method for forming a socketed tube with a thickened end provided with a circular inner groove by deforming the tube which has been brought into a condition in which deformation is possible by applying heat, characterised in that,

(a) the end part of the tube is heated up to above the temperature at which the material can be deformed,

(b) this end part of the tube is thickened by subjecting the same to an upsetting operation until the inner side- and outer side of the thickened part are supported by an inner- and other supporting wall which are situated with respect to each other at a predetermined spacing,

(c) the inner- and/or outer side of the thickened part of the tube is cooled down in such a way that on removal of the outer supporting wall the thickened part substantially retains its form, while on the other hand cooling is performed thus, that after removal of the outer supporting wall, the heat in a particular cross-sectional area suffices to bring this entire cross-sectional area up to at least the temperature of deformation, and

(d) finally the thickened part is socketed and provided with an inner groove.

CLASS 104F.

141510.

Int. Cl.-C08c 9/18, C08d 9/12.

A PROCESS FOR THE PREPARATION OF RUBBER COMPOSITIONS HAVING EXCELLENT MECHANICAL PROPERTIES BY THE INCORPORATION OF A MODIFIED LAC.

*Applicant* : INDIAN COUNCIL OF AGRICULTURAL RESEARCH, (KRISHI BHAVAN, RAJENDRA PRASAD ROAD, NEW DELHI).

*Inventor* : SHRI RADHA SINGH AND DR. BHARAT BHUSHAN KHANNA.

Application No. 2613/Cal/73 filed November 28, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 3 Claims. No drawings.

A process for the preparation of rubber compositions having excellent mechanical properties comprises incorporating zinc salt of lac along with zinc oxide, stearic acid, antioxidant and clay as filler in natural or synthetic rubber; heating the mixture to a temperature of up to 100°C, cooling the mass so obtained to bring down the temperature in between 40—45°C, mixing sulphur and accelerator in the cooled mass and curing this mixture at a temperature of 140°C for 30—45 minutes.

CLASS 53A. 141511.  
Int. Cl.-B62h 1/00.

## IMPROVED SIDE STAND FOR TWO WHEELED VEHICLES.

*Applicant & Inventor* : CHANDRAKANT PANDITRAO SHIMPI, 74, JOSHI PETH, JALGAON 425001, MAHARASHTRA STATE, INDIA.

Application No. 10/Bom/74 filed January 9, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 4 Claims.

Improved side stand for two-wheeled vehicles, comprising in addition to the parts of a stand a locking element and a means to actuate the said locking element such that the said locking element will obstruct the movement of the wheel, near which the side-stand is fitted when the stand-bar of the side-stand is in its parking position, but the locking element will not obstruct the wheel if the stand-bar is in its non-parking position.

CLASS 127G & 134B. 141512.  
Int. Cl.-C60K 17/00.

## AN ARRANGEMENT FOR INCREASING THE SPEED OF THE GEAR CONNECTED TO THE DIFFERENTIAL SHAFT OF A FOUR WHEELER AUTO VEHICLE.

*Applicant & Inventor* : SATISCHANDRA DAHYABHAI PATEL, C/O. BHAVANI-INDUSTRIAL ESTATE, SURKHEJ, DISTRICT AHMEDABAD, GUJARAT STATE, INDIA.

Application No. 24/Bom/74 filed January 17, 1974.

Post date to March 6, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 2 Claims.

An arrangement for increasing the speed of the gear connected to the differential shaft of a four wheeler auto vehicle by approximately 1/3 time comprising a first gear wheel connected to the engine shaft, a second gear wheel connected to the differential shaft and an idler gear in between said first and second gear wheel characterized in that the first gear wheel connected to the engine shaft having substantially larger diameter with a greater number of teeth than the second gear wheel and the number of the teeth of the idler gear being gradually reduced.

CLASS 164A. 141513.  
Int. Cl.-C07c 1/18.

## PROCESS AND APPARATUS FOR TREATMENT OF LIQUIDS.

*Applicant* : THE BRITISH OXYGEN COMPANY LIMITED, OF HAMMERSMITH HOUSE, LONDON, W6 9DX, ENGLAND.

*Inventors* : KENETH CECIL SMITH AND MICHAEL ERNEST GARRETT.

Application No. 83/Cal/74 filed January 14, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 25 Claims.

A process for treating liquid containing a gas which is sparingly soluble on the liquid, which process includes the steps of taking a stream of the liquid, pressurising the stream and passing the stream through a conduit to an unpressurized volume of the liquid, introducing a sufficient quantity of the gas into the pressurized stream in the conduit to produce a mixed stream comprising liquid, gas dissolved in the liquid, and finely dispersed bubbles of gas which is no dissolved in the liquid, and introducing the said mixed stream into the volume of liquid such that the finely dispersed bubbles of undissolved gas are broken into even finer bubbles that either dissolve or are consumed within the volume of the liquid.

CLASS 116C. 141514.  
Int. Cl.-B65g 21/00.

## IMPROVEMENTS IN SCRAPER CHAIN CONVEYORS.

*Applicant* : GEWERKSCHAFT EISENHUTTE WESTFAELIA, OF 4628 WETHMAR BEI LUNEN, WESTFAELIA, FEDERAL REPUBLIC OF GERMANY.

*Inventors* : (1) MUSTAFA SOLIMAN, (2) WULFF ROSLER, (3) JACOB SPIES, (4) KLAUS HERBERG.

Application No. 269/Cal/74 filed February 8, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 29 Claims.

A frame assembly for use with a scraper-chain conveyor, said assembly comprising a shaft carrying a chain wheel, bearing units having projecting parts into which end portions of the shaft extend, and are supported for rotation, the bearing units being attachable to side walls and the end portions of the shaft being hollow and adapted to be selectively coupled to drive means whereby the shaft can be driven.

CLASS 39Q & 85G. 141515  
Int. Cl.-F27d 21/00, F27b 3/00.

APPARATUS FOR PRODUCING Na<sub>2</sub>S FROM Na<sub>2</sub>SO<sub>4</sub>.

*Applicant* : COMBUSTION ENGINEERING, INC., OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

*Inventor* : HUGH WHARTON NELSON.

Application No. 362/Cal/74 filed February 20, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims.

An apparatus for producing Na<sub>2</sub>S from Na<sub>2</sub>SO<sub>4</sub>, including a conventional chemical recovery furnace in which Na<sub>2</sub>SO<sub>4</sub> is reduced to Na<sub>2</sub>S in a char bed and in which a sodium gas produced is burned to Na<sub>2</sub>O and means for observing the visible light spectrum, means for filtering light emitted from said char bed other than that light having a wave length characteristic of excited sodium atoms and means for detecting and monitoring the intensity of only that portion of the visible light spectrum coming from said char bed in the region of the wave length characteristic of excited sodium atoms.

CLASS 108C, & 130 F. 141516  
Int. Cl.-B22d 37/00.

## IMPROVEMENTS IN SLIDABLE GATES FOR CONTROLLING THE TEEMING OF LIQUID METAL FROM A BOTTOM-POUR OPENING OF A VESSEL.

*Applicant* : USS ENGINEERS AND CONSULTANTS, INC., AT 600, GRANT STREET, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

*Inventors* : EARL PAGE SHAPLAND, JR., AND JAMES THOMAS SHAPLAND.

Application No. 439/Cal/74 filed March 1, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

In a slidable gate for controlling the teeming of liquid metal from a bottom-pour opening of a vessel, which gate includes a refractory gate body having an opening, and a collector nozzle mounted integrally with said body and extending downwardly from said opening, said nozzle comprising a tube of refractory which has a relatively high thermal conductivity and which resists erosion during teeming of liquid metal, a metal casing surrounding said tube, and a layer of refractory cement between said tube and said casing, the improvement which comprises a short-length removable and replaceable tip and means attaching said tip to the lower end of said tube, said tip being formed of a ring of refractory of lower thermal conductivity than the refractory of said tube and a metal casing surrounding at least the upper portion of said ring, whereby said tip resists formation of bugs on the discharge end of said nozzle and can be replaced when eroded without replacing the remainder of said tube.

CLASS 165C.

141517

Int. Cl.-D05b 9/00.

A HEM-STITCH SEWING MACHINE.

*Applicant & Inventor* : DAVID SUSHIL PILLAI, OF L-18, RAJOURI GARDEN, NEW DELHI-27, INDIA.

Application No. 658/Cal/74 filed March 25, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

9 Claims.

A hem-stitch sewing machine comprising a base member having a material platform and on which the material to be hem-stitched is disposed, a spring loaded actuating member cooperating with said base member is adapted to traverse towards or away from said base member, an opening provided in said platform, said actuating member adapted to actuate a crank or shaft by at least one rack adapted to actuate a pinion mounted on said shaft and disposed in the base member of said device, a gear mounted on said shaft adapted to actuate a segmented gear mounted on a second shaft, a catching member provided below of said platform and mounted on said second shaft, a thread spool and a needle provided with said spring loaded actuating member, the arrangement being such that upon the application of a pressure the said actuating member traverses towards said cover member and the needle travels towards below of said platform through the material to be hem stitched and said opening provided in the said platform wherein the said catching member simultaneously moves in a direction away from said needle whereas when the pressure is released the actuating member is adapted to travel away from said base member in conjunction with said needle, the catching member travels towards said needle and such as to pick up the thread from said needle.

CLASS 131B.

141518

Int. Cl.-E21c 13/00.

A SYSTEM FOR CONTINUOUSLY TAKING CORE SAMPLES.

*Applicant* : BAKERDRILL, INC., OF S.C. 57, 1 MILE SOUTH OF 1-85, SPARTANBURG, SOUTH CAROLINA 29301, UNITED STATES OF AMERICA, (POST OFFICE BOX 6130-SPATANBURG, S.C. 29301).

*Inventors* : ALFRED RONALD CURINGTON AND THEODORE JAMES ROSCOE JR.

Application No. 784/Cal/74 filed April 6, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims.

In a system for continuously taking core samples from the bottom of a well bore while drilling the well bore : a dual drill pipe string extending into the well bore, an air-hammer and percussion bit at the bottom of the drill pipe string, a swivel at the top of the drill pipe string connectable to a source of air under pressure, and means for rotating the drill string, said drill pipe string having one pipe for conducting air from the swivel to said airhammer and another pipe for conducting core samples from said percussion bit to said swivel, said swivel having means for conducting air to said one pipe and receiving said core samples from said another pipe, said airhammer having air operated hammer piston means and control means for reciprocating said hammer piston means, said percussion bit having an anvil engageable by said piston upon reciprocation of the latter, cutting elements on said bit for drilling into the formation at the bottom of the well bore, including core cutting means at the center of the bit and characterized by means for directing a major portion of the air supplied to said air hammer to actuate said piston means and thence exhaust to the well bore for flushing cuttings therefrom and a minor portion of the air supplied to said airhammer to said another pipe to carry core samples to said swivel.

CLASS 108C<sub>a</sub> & 141A.

141519

Int. Cl.-C21b 1/22.

A METHOD OF PRODUCING A SOLID CHARGE AS AT LEAST A PART OF THE FEED IN A METAL PROCESSING OPERATION.

*Applicant* : FERRO-CARB AGGLOMERATION, LTD., OF 606 TIMBER LANE, LAKE FOREST, ILLINOIS, U.S.A.

*Inventor* : JOHN E. ALLEN.

Application No. 1017/Cal/74 filed May 7, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No drawings.

A method of producing a solid charge as at least a part of the feed in a metal processing operation from iron-and carbon containing particulate wastes obtained in the metal processing operation which comprises (1) mixing the particulate waste containing at least 5 per cent of Fe with a bituminous binder having a ball and ring softening point below 212°F, and free of combustibles volatile at 500°F, to produce a mix containing between 2 and 15 per cent of binder; (2) briquetting the mix and (3) heating the briquettes in gas containing at least 10 per cent of oxygen at a gas temperature of 350 to 60°F. for 30 to 90 minutes to selectively remove hydrogen from the binder and induce a cementing action between the binder and the iron-containing waste.

CLASS 50A & 183.

141520.

Int. Cl.-A47j 41/00.

AN IMPROVED ICE JUG OR WATER JUG.

*Applicant* : POLYSET CORPORATION : PER PRO PREMO PLAST PVT. LTD., OF PLOT NO. A/44-45, MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION, MAROL INDUSTRIAL AREA, ANDHERI (EAST), BOMBAY-400093, MAHARASHTRA, INDIA.

*Inventors* : PREMRAJ FUTERMAL BAFNA AND MOHAN FUTERMAL BAFNA.

Application No. 270/Bom/74 filed July 23, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

9 Claims.

An ice jug or water jug having an internal wall and an external wall wherein the internal wall is made of one or more pieces and the external wall is made of at least two pieces

an upper portion and a lower portion, the internal wall having at its upper end thereof an offset lug or upper projection, the upper portion of the external wall being a hollow ring or truncated conical member having an annular circumferential recess therein, said annular recess being adapted to be positioned on said offset lug or upper projection of the internal wall, the lower portion of the external wall capable of being depended from the lower end of the external of the said upper conical recess member.

CLASS 32C.

141521.

Int. Cl.-C07g 1/00.

## A PROCESS FOR THE PREPARATION OF FERROCHROME LIGNOSULPHONATE.

*Applicant* : OIL AND NATURAL GAS COMMISSION, OF TEL BHAWAN, DEHRA DUN, INDIA.

*Inventors* : SHRI VISHWA NATH SETHI, DR. RAJENDRA PRASAD MATA PRASAD MATHUR, DR. SAILENDRA NATH BHATTACHARYA AND SHRI KANWAL KISHAN GIRDHAR.

Application No. 1760/Cal/74 filed August 5, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

10 Claims. No drawings.

A process for the preparation of ferrochrome ligno-sulphonate from spent sulphite lye or liquor which comprises treating the sulphite lye liquid with sodium salt of an alkali such as sodium hydroxide and sodium carbonate and the reaction product is thereafter reacted with iron and chromium salts to obtain ferrochrome lignosulphonate.

CLASS 123.

141522.

Int. Cl.-C05g; 1/00; C05c 9/00; C05b 7/00; B01j 2/02.

## PROCESS FOR PREPARING PRILLS FROM A UREA MELT CONTAINING MONOAMMONIUM PHOSPHATE.

*Applicant* : UNIE VAN KUNSTMESTFABRIEKEN B. V. OF MALIEBAAN 81, UTMECHT, THE NETHERLANDS.

*Inventor* : MICHAEL HENDRIK WILLEMS.

Application No. 2537/Cal/74 filed November 16, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims. No drawings.

In a process for prilling a urea melt containing monoammonium phosphate, the step of mixing the urea melt with up to 60% by weight of solid monoammonium phosphate within a period of time of less than 10 seconds before effecting prilling of the melt.

CLASS 32F, &amp; 60X, d.

141523.

Int. Cl.-C07d 33/34.

## PROCESS FOR PREPARING QUINOLINE DERIVATIVES.

*Applicant* : F. HOFFMANN-LA ROCHE & CO. AKTIENGESELLSCHAFT, OF 124-184 GRENZACHERSTRASSE, BASLE, SWITZERLAND.

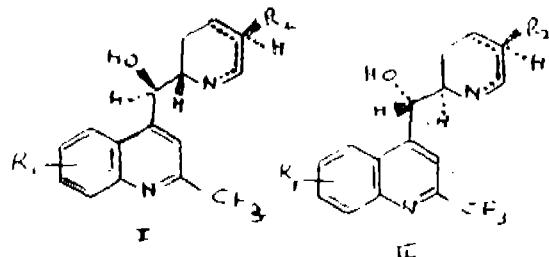
*Inventors* : GUENTER GRETHE AND MILAN RADOJE USKOKOVIC.

Application No. 2685/Cal/74 filed December 4, 1974.

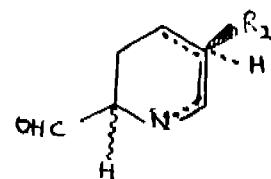
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

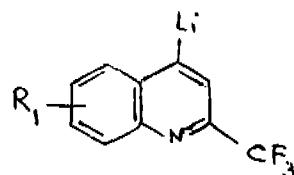
Process for the manufacture of compounds of the general formulae I and II.



wherein  $R_1$  is halogen or trifluoromethyl and  $R_2$  is ethyl or vinyl, of their enantiomers and racemates and acid addition salts thereof, characterized in that a compound of the general formula III.



wherein  $R_2$  has the above meanings, or an enantiomer or a racemate thereof, is reacted with a compound of the general formula IV.



wherein  $R_1$  has the above meanings, that, if desired, in a so obtained compound, wherein  $R_2$  is vinyl, the vinyl group is reduced to the ethyl group, that, if desired, a racemate is resolved into its optical antipodes, that, if desired, an obtained base is converted into an acid addition salt, that, if desired, an obtained acid addition salt is converted into the free base and the latter, if desired, into another acid addition salt.

CLASS 40F.

141524.

Int. Cl.-C21b 13/00.

## PROCESS FOR THE CONTINUOUS PASSIVATION OF SPONGE IRON PARTICLES.

*Applicant* : MIDREX CORPORATION, OF ONE NCNB PLAZA, CHARLOTTE, NORTH CAROLINA 28280, UNITED STATES OF AMERICA.

*Inventor* : DONALD BEGGS.

Application No. 2810/Cal/74 filed December 19, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A process for passivating active sponge iron particles comprising maintaining a continuously gravitationally descending column of sponge iron particles within a vertically oriented housing; continuously recirculating a gaseous medium through the descending column in counterflow relationship to the descending particles; maintaining a predetermined temperature of introduction of the gaseous medium to the column; adding oxygen to the gaseous medium at a predetermined rate; and maintaining a predetermined flow rate of the recirculating gaseous medium in the column.

CLASS 33A.

141525.

Int. Cl.-B22d 17/00.

## IMPROVEMENTS RELATING TO DIE CASTING.

*Applicant* : G. K. N. GROUP SERVICES LIMITED, OF SMETHWICK, WARLEY, IN THE COUNTY OF WORCESTER, ENGLAND.

*Inventors* : BRYAN GEORGE CARVER AND ROLAND GEORGE RONALD SELLORS.

Application No. 346/Cal/75 filed February 24, 1975.

Convention date February 27, 1974/(8796/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

A method of pressure die casting high melting point metals in a die cavity defined between separable repeatedly useable dies, the die cavity being of a configuration to produce a casting including an intermediate part having a longitudinal axis and which has at least two opposed stress originating surfaces spaced apart along said part and which extend generally transversely of the axis, said intermediate part normally being susceptible to hot tearing and/or imposing a load on the corresponding surfaces of the die cavity which are abutted by the stress originating surfaces to cause excessive wear thereof, characterised in the step of providing the die cavity with anchor means positioned in operative relationship to said stress originating surfaces to a location selected to prevent or reduce hot tearing of the casting and/or to reduce the load imposed on the corresponding surfaces of the cavity, whereby when molten metal solidifies the part of the casting provided with the anchor means is prevented from movement relative to the cavity in the direction of the axis on the contraction due to cooling.

CLASS 172D.

141526.

Int. Cl.-D01h 9/02.

## BOBBIN-TUBE LOADER.

*Applicant* : MASCHINENFABRIK RIETER A.G., OF WINTERTHUR, SWITZERLAND.

*Inventors* : WERNER HIRSCHLE, HANS RUTZ AND ARTHUR WURMLI.

Application No. 1159/Cal/75 filed June 12, 1975.

Convention date June 12, 1974/(26029/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

A bobbin-tube loader for a ring-spinning and twisting machine with an integrated doffer, comprising means for removing tubes from a tube-supply chute and for transferring them to a tube-receiving unit associated with the spinning or twisting machine, with tube-receiving pins which correspond in number and spacing to the number of spindles and spindle interval of the spinning or twisting machine, wherein the tube loader is a mobile carriage, and the means for removing and transferring the tubes include a substantially horizontal drum, a substantially vertical drum and a chain conveyor which is guided around both drums and has links provided with recesses for receiving the tubes in a substantially horizontal position from the tube-supply chute and for carrying the tubes from the horizontal position into a vertical position over the tube-receiving means, and holding means are provided which prevent the tubes from sliding downwards from the recesses during transfer from the horizontal into the vertical position, but which release the tube for presentation to the tube-receiving pins, a driving gearwheel being connected to one of the drums and having a circular pitch corresponding to the interval between the tube-receiving pins so that the teeth of the gearwheel engage between the tube-receiving pins during the tube loading operation.

CLASS 113E &amp; G.

141527.

Int. Cl.-F21m 3/00.

## SEARCHLIGHT.

*Applicant & Inventor* : BHUBNESHWAR SINGH, OF 1, CROOKED LANE, CALCUTTA-1, STATE OF WEST BENGAL, INDIA.

Application No. 732/Cal/74 filed April 1, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims.

A searchlight particularly for use with a motor vehicle or the like, which can be tilted, rotated and focussed according to requirements comprising a casing held by a bracket, a projector lamp and reflector held within said casing, a turn table resting on ball bearings adapted to mount the said casing held by a bracket characterized in that the rotating means of the said searchlight consists of a spindle provided within a sleeve, one end of said spindle being connected to the said turn table and the other end having a handle, such that upon rotating the said handle the searchlight is adapted to rotate; the tilting means consisting of a link mechanism provided within the said spindle in which there is a link connected at its upper end to the said casing which pushes the searchlight upwardly by means of the said link which is threaded at its lower end and held by a bolt, such that when the said bolt is rotated by a handle it impart a tilting motion to the said searchlight along a vertical axis; and for focussing the searchlight projector lamp in relation to the reflector is effected by the use of a bowden wire provided also within said spindle operable through a knob.

CLASS 128-G.

141528.

Int. Cl.-A61b; 5/04.

## TELEPHONIC TRANSMITTER FOR ELECTRO-CARDIOGRAM (E.C.G.).

*Applicant & Inventors* : VIRENDRA KUMAR JAIN, OF 1V/D-9, H.B.T.I. WEST CAMPUS, KANPUR-2, U.P., INDIA & CHITEZHATHU GOVINDAPILLAI MOHAN-DASAN NAIR, OF MOHANVILAS, ARPOOKARA, EAST P.O. KOTTAYAM, KERALA, INDIA.

Application No. 966/Cal/74 filed April 29, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims.

A transmitter for transmitting Electro Cardiogram (ECG) signal through telephone line, characterised in that having no control other than ON/OFF, provision for standardisations signal of 1 my, comprising preamplifier, frequency modulator, and current amplifier in which E.C.G. signal is sensed by the electrode of the E.C.G. recorder and amplified to a level by the preamplifier which is an integrated circuit operational amplifier, the voltage controlled oscillator functions as the carrier oscillator whose frequency of oscillation being varied by the amplified E.C.G. Signal and modulated Signal after current amplification fed to an ear piece which converts the frequency modulated to the corresponding sound and pass through the mouth piece of the telephone to the telephone line and can be received by any receiver.

CLASS 68-D.

141529.

Int. Cl.-H01t 3/00.

## SPARK GAP ASSEMBLY FOR LIGHTENING ARRESTORS.

*Applicant & Inventor* : VENKATARAM SRINIVASAN, OF 9 LAKE ROAD, CALCUTTA-29, STATE OF WEST BENGAL, INDIA.

Application No. 996/Cal/74 filed May 2, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims.

A spark gap assembly for a lightning arrester, the assembly comprising a plurality of stacked insulating plates with adjacent plates forming respectively there between arc chambers with a peripheral wall, a pair of electrodes disposed within each chamber and forming a spark gap near the peripheral wall, an opening in said wall and adjacent said spark gap, a piece of ionizing material as herein defined inserted through said opening and disposed in said gap, and an electromagnetic coil disposed outside of the plate stack and around one of the plates for moving an arc struck in said chamber when a voltage of a predetermined magnitude is applied to the arrester.

CLASS 32F, & 32F<sub>3</sub>b & 55D<sub>2</sub>.

141530.

Int. Cl.-C07c 125/06, C07d 33/00 &amp; 31/00,

A01n 9/22.

## PROCESS FOR THE PREPARATION OF HYDROXY-PYRIDINE CARBAMATES.

Applicant : HOECHST AKTIENGESELLSCHAFT, OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

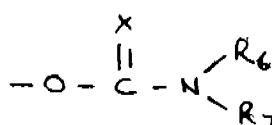
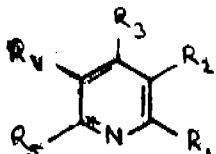
Inventors : ADOLF STUDENEER, GERHARD SALBECK, LUDWIG EMMEL AND WERNER KNAUF.

Application No. 2670/Cal/74 filed December 3, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

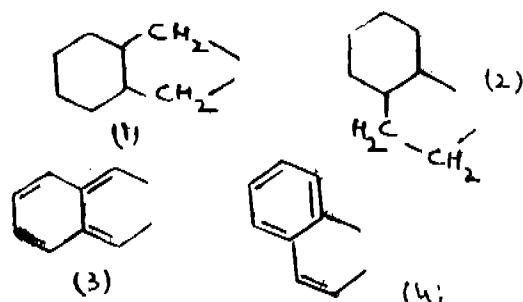
## 15 Claims.

Process for preparing compounds of the general formula I. wherein one of the radicals R<sub>1</sub> and R<sub>4</sub> represents a group of formula II.

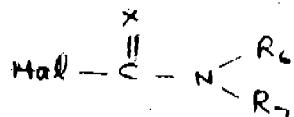


and the other represents hydrogen, (C<sub>1</sub>-C<sub>6</sub>) alkyl, halomethyl, (C<sub>1</sub>-C<sub>6</sub>) alkoxy, (C<sub>1</sub>-C<sub>6</sub>) alkylthio, (C<sub>1</sub>-C<sub>4</sub>) alkoxy carbonyl, di (C<sub>1</sub>-C<sub>4</sub>) alkylaminocarbonyl, phenyl, phenyl (C<sub>1</sub>-C<sub>3</sub>) alkyl, (C<sub>5</sub>-C<sub>6</sub>) cycloalkyl, halogen, cyano, phenoxy, phenylthio, (C<sub>1</sub>-C<sub>4</sub>) alkoxy methyl, mono-and di(C<sub>1</sub>-C<sub>4</sub>) alkylamino, N-morpholino, N-pyrrolidino or N-piperidino, R<sub>2</sub> represents hydrogen, (C<sub>1</sub>-C<sub>6</sub>) alkyl, (C<sub>2</sub>-C<sub>6</sub>) alkenyl, (C<sub>2</sub>-C<sub>6</sub>) alkynyl, (C<sub>1</sub>-C<sub>3</sub>) alkoxy or alkylthio, phenylthio, (C<sub>5</sub>-C<sub>6</sub>) cyclo-alkyl, phenyl (C<sub>1</sub>-C<sub>3</sub>) alkyl, (C<sub>1</sub>-C<sub>3</sub>) alkyl carbonyl, (C<sub>1</sub>-C<sub>6</sub>) alkoxy carbonyl, benzoyl, di (C<sub>1</sub>-C<sub>6</sub>) alkylaminomethyl, halogen, -CN, -NO<sub>2</sub>, di(C<sub>1</sub>-C<sub>3</sub>) alkylaminocarbonyl, mono (C<sub>1</sub>-C<sub>6</sub>) alkyl-amino, di(C<sub>1</sub>-C<sub>6</sub>) alkylamino or (C<sub>1</sub>-C<sub>4</sub>) alkylcarbonyl-amino; R<sub>1</sub> and R<sub>2</sub> together represent (C<sub>3</sub>-C<sub>5</sub>) alkylene or a radical of the formula -CH=CH-CH=CH-; R<sub>4</sub> and R<sub>5</sub> are hydrogen, (C<sub>1</sub>-C<sub>4</sub>) alkyl, chlorosubstituted methyl, halogen, (C<sub>1</sub>-C<sub>6</sub>) alkoxy carbonyl or (C<sub>1</sub>-C<sub>3</sub>) alkyl carbonyl; R<sub>4</sub> and R<sub>5</sub> together are a (C<sub>3</sub>-C<sub>5</sub>) alkylene radical, or a radical of the formula -CH=CH-CH=CH-, wherein one or two or the -CH-groups may be replaced by N=, and which radicals may be substituted by halogen, (C<sub>1</sub>-C<sub>18</sub>) alkyl, (C<sub>1</sub>-C<sub>3</sub>) alkoxy, (C<sub>1</sub>-C<sub>3</sub>) alkylthio, halogen (C<sub>1</sub>-C<sub>2</sub>) alkoxy, halogen (C<sub>1</sub>-C<sub>2</sub>) alkylthio, halomethyl, (C<sub>5</sub>-C<sub>7</sub>) cycloalkyl, phenoxy, phenylthio, NH<sub>2</sub>, acetyl amino, benzoyl amino, phenyl amino, di (C<sub>1</sub>-C<sub>4</sub>) alkylamino, NO<sub>2</sub>, CN, (C<sub>1</sub>-C<sub>3</sub>) alkyl carbonyl, mono-(C<sub>1</sub>-C<sub>3</sub>) alkylureido, di (C<sub>1</sub>-C<sub>3</sub>) alkylureido, di (C<sub>1</sub>-C<sub>3</sub>) alkyl-formamidino, (C<sub>1</sub>-C<sub>3</sub>) alkoxy carbonyl methoxy, (C<sub>1</sub>-C<sub>6</sub>) alkoxy carbonyl, di (C<sub>1</sub>-C<sub>4</sub>) alkyl-aminocarbonyl, benzethiazol-2-yl, di-thiolane or methylenedioxy radical; R<sub>4</sub> and R<sub>5</sub>

together further represent a radical of formula shown 1, 2, 3 or 4.



R<sub>6</sub> and R<sub>7</sub> are CH<sub>3</sub>, C<sub>2</sub>H<sub>5</sub>, CH<sub>2</sub>Cl, CH<sub>2</sub>OCH<sub>3</sub> and CH<sub>2</sub>SCH<sub>3</sub>, and X is oxygen or sulphur, which comprises reacting compounds of general formula I. (wherein one of the radicals R<sub>1</sub> and R<sub>3</sub> is hydroxy and the other is as defined hereinabove, and R<sub>2</sub>, R<sub>4</sub> and R<sub>5</sub> have the meanings as given above) with carbamoyl or thiocarbamoyl halides or formula IV.



wherein R<sub>6</sub>, R<sub>7</sub> and X are as defined above and Hal represents a halogen atom, especially chlorine or bromine, preferably in the presence of a solvent and a base such as herein described.

CLASS 85-G &amp; 90-I.

141531.

Int. Cl.-C03b 19/00.

## METHOD OF BENDING GLASS SHEETS AND APPARATUS FOR THE SAME.

Applicant : LIBBEY-OWENS-FORD COMPANY, OF 811 MADISON AVENUE, TOLEDO, OHIO, U.S.A.

Inventors : GEORGE FREDERICK RITTER, JR. & DONALD DALE RAHRIG.

Application No. 2871/Cal/74 filed December 27, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims.

A method of bending glass sheets wherein flat sheets of glass are supported in a chamber, exposed to temperatures within said chamber that approximate the softening point of the glass, and then bent to a desired curvature, the step of cooling the ceiling of said heating and bending chamber during said exposure.

CLASS 181.

141532.

Int. Cl.-F 16j 15/00.

## GASTIGHT LIQUID-TYPE DYNAMIC SEAL FOR CONTROL SHAFT OF PRESSURIZED CIRCUIT INTERRUPTERS.

Applicant : MERLIN GERIN, OF RUE HENRI TARZE, 38 GRENOBLE, FRANCE.

Inventors : ALAIN PONCET & SERGE ROCCAZ.

Application No. 720/Cal/75 filed April 9, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims.

Gastight dynamic seal sealing the pressurized enclosure of a compressed-gas circuit interrupter to a movable control stud extending through said enclosure, comprising :

—a stationary sleeve member connected in a gastight manner to said enclosure and surrounding said stud,

—bearing means supporting said stud from said sleeve for free movement of said stud relative to said sleeve.

—a plurality of gas-trap chambers defined between said sleeve and said stud, said chambers being spaced apart in the longitudinal direction of said stud and separated by partition wall means clearing said stud so as to leave small throttle passage-ways between successive chambers along said stud, and

—flexible baffle joint means disposed in at least a part of said chambers and bearing against said sleeve in friction and sealing relation with said stud,

—said chambers containing a viscous gas-trap liquid dissolving the gas leaking from the interior of said enclosure through said baffle joint means whereby said passageways produce a degressive concentration of the dissolved gas in successive chambers.

CLASS 32F, & 60X.  
141533.

Int. Cl.-C07c 21/02, 33/10.

PROCESS FOR THE PREPARATION OF 1, 1-1-TRIHALOGENO-4-METHYL-3-PENTENE-2-OLS.

*Applicant* : KURARAY CO., LTD. OF 1621, SAKAZU, KURASHIKI CITY, JAPAN.

*Inventors* : FUMIO MORI, YOSHIKI OHMURA, TAKASHI NISHIDA AND KAZUO ITOI.

Application No. 1830/Cal/75 filed September 23, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 9 Claims.

A process for preparing 1, 1, 1-trihalogeno-4-methyl-3-penten-2-ols, characterized in that 1, 1, 1-trihalogeno-4-methyl-4-penten-2-ols are heated to a temperature in the range of 50—220°C.

CLASS 157D.  
141534.  
Int. Cl.-E01b 2/00, 3/00, 9/00.

RAILROAD CROSS SUPPORTS AND PROCESS FOR MAINTENANCE OF TRACK BED.

*Applicant & Inventor* : PROF. RAGHURAM SRIPAD HEMMADY, SATYABHAMA NIVAS, VITHALBHAI PATEL ROAD, BOMBAY-4, MAHARASHTRA, INDIA.

Application No. 164/Bom/73 filed May 4, 1973.

Post-dated September 28, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

#### 14 Claims.

A cross support for a continuous rail or beam carrying moving, vibratory or other dynamic loads comprising a cross tie or sleeper adapted to be mounted on a ballast bed and having bearing areas near the top of said ballast bed; bottomless throughs carrying stone chips and the like positioned so as to encompass said cross tie or sleeper adjacent to said bearing areas and adapted to feed said chips into the gaps in said ballast bed when vibrated; electrically insulated elastic fasteners on each of said bearing areas capable of providing permanent pressure for holding a rail or beam in an electrically insulated position on said cross tie or sleeper.

CLASS 69A & B.  
141535.  
Int. Cl.-H02h 3/00.

#### AUTO START THREE PHASE MOTOR PROTECTOR.

*Applicant & Inventor* : ACHUT RAMCHANDRA BHAMBURE, C/O. RAVINDRA RADIO SERVICE, RAVIWAR PETH, PHALTAN-415 523, DIST. SATARA, MAHARASHTRA STATE, INDIA.

Application No. 375/Bom/73 filed November 17, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

#### 2 Claims.

Auto start three phase motor protector comprising (a) three single phase transformers, (b) three two pole contractors, the primaries of the said three single phase transformers are connected in star to the three phase supply and the neutral, the secondaries of which are individually connected to the three holding coils of the said two pole contractors, the no volt coil of the starter is connected between the two phases of the supply through the said three two pole contractors the contacts of which are in series, through a switch, wherein the three phase supply is given to the three phase motor via said starter and the no volt coil being connected to the phases of the supply; and when single phasing occurs, the supply to the corresponding single phase transformer is cut off resulting in demagnetizing the holding coil of the two pole contractor to disconnect the supply given to the no volt coil of the starter thus protecting the motor from single phasing and when the phase is recouped, the no volt coil automatically gets energized to start the motor.

CLASS 97F & 129N.  
141536.

Int. Cl.-B23k 3/00, 35/00.

#### SOLID STATE SOLDERING IRON.

*Applicant & Inventor* : PRAKASH RATNAPARKHI, 1297, SADASHIV PETH, POONA-30, MAHARASHTRA STATE, INDIA.

Application No. 419/Bom/73 filed December 20, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

#### 2 Claims.

Solid state soldering iron, comprising a copper bit plated with iron and fitted in a copper-tube housing which in turn holds a thermistor of positive or negative temperature coefficient resistance, the said thermistor acting as a heating element and which further touches a copper disc placed in contact with high temperature resistance electrical insulator, the said copper housing holding the thermistor in turn fitted in another copper cup to which is connected a lead wire silver soldered for durability, the entire assembly being fitted in a fountain pen like device made of high temperature resistant material.

CLASS 68D & 69B & I.  
141537.

Int. Cl.-H01h 85/00.

#### IMPROVEMENT IN OR RELATING TO FUSE CONTROLLED DEVICE FOR OPERATING ELECTRICAL CIRCUITS.

*Applicant & Inventor* : ROCHE RAMCHAND PARDASANI, BHATIA BUILDING, 87 RAMDE ROAD, SHIVAJI PARK, DADAR, BOMBAY-28, INDIA.

Application No. 110/Bom/74 filed March 22, 1974.

Addition to No. 133157.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 11 Claims.

Improvements in or modifications of the "fuse controlled device for operating electrical circuit" according to Indian Patent Specification No. 133157 in which three switches each operated by respective indicator of three fuses are connected in parallel with each other and such said set of three parallel connected switches is connected in series with at least an electrical device to constitute an operating electrical circuit.

CLASS 102B & D & 134D.  
141538.  
Int. Cl.-B62d 5/00. & F15b 9/00, 13/00.

#### HYDRAULIC CONTROL MEANS, ESPECIALLY A STEERING MEANS.

*Applicant* : DANFOSS A/S. NORDborg, DENMARK.

*Inventors* : JOHANNES VAGN BAATRUP & THORKILD CHRISTENSEN.

Application No. 120/Bom/74 filed March 26, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

18 Claims.

A hydraulic control means, especially a steering means, having a motor to which pressurized fluid can be supplied by a feed pump by way of a power circuit and a valve arrangement characterised in that there is provided in the return-connecting (e.g. 2) of the motor (1), a cut-off valve (e.g. 43; 123, 133) which opens under the effect of the pressure in the feed connecting pipe (e.g. 3) of the motor or of a valve corresponding to that pressure.

CLASS 32F,b &amp; 55E, &amp; 60X,d. 141539.

Int. Cl.-C07d 99/00.

## PROCESS FOR THE MANUFACTURE OF NEW PYRIDAZINES AND ACID ADDITION SALTS AND N-OXIDES THEREOF.

*Applicant* : CIBA-GEIGY OF INDIA LIMITED, OF AAREY ROAD, GOREGAON EAST, BOMBAY-63, MAHARASHTRA STATE, INDIA, AN INDIAN SUBSIDIARY OF THE SWISS COMPANY CIBA-GEIGY LIMITED, BASLE, SWITZERLAND.

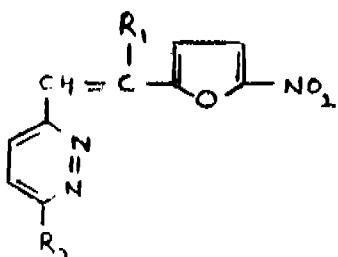
*Inventor* : DR. THOMAS GEORGE.

Application No. 180/Bom/74 filed May 7, 1974.

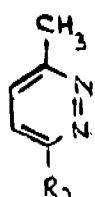
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

7 Claims.

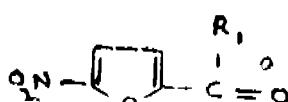
A process for the manufacture of compounds of the formula I, shown in the drawings accompanying the provisional specification.



In respect of his application wherein R<sub>1</sub> is a hydrogen atom or a straight or branched lower alkyl radical unsubstituted or substituted by a free, etherified or esterified hydroxyl group and R<sub>2</sub> is a diazacycloalkyl radical, in which the nitrogen atoms of the diazacycloalkane ring are separated from each other by 2 or 3 carbon atoms, their N-oxides and acid addition salts by the condensation of a compound of the formula II shown in the drawings accompanying the provisional specification.



In respect of this application where R<sub>1</sub> has the meaning defined above with a compound of the formula III shown in the drawings accompanying the provisional specification.



In respect of this application wherein R<sub>1</sub> is as defined above in a known manner such as herein described.

CLASS 99A &amp; E.

141540.

Int. Cl.-A47j 27/00.

## IMPROVEMENTS MADE IN THE METHOD OF JOINING A HANDLE TO A METALLIC CONTAINER.

*Applicant & Inventor* : KAMALNAYAN KEDARNATH GUPTA, OF 20, WADI BUNDER ROAD, MAZGAON, BOMBAY-10, MAHARASHTRA, INDIA.

Application No. 200/Bom/74 filed May 25, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

8 Claims.

An improved method of fixing a detachable handle to a container, for handling for cooking food or the like, and easy handling for serving the food, the said method comprising the steps of :—

- (i) inserting a threaded nut with a flanged or a flat base in the hole of a socket comprising a base and an open mouth, the said threaded nut extending from the said base into the said open mouth of the said socket;
- (ii) welding the socket with the threaded nut inserted therein, to a container;
- (iii) providing a through hole in a horizontal or straight portion forming the inside end of a handle, and providing a bent portion forming the outside of the handle, which is lifted up and extended outwardly from the said horizontal or straight portion;
- (iv) inserting a threaded bolt in the through hole of the inside end of the handle;
- (v) engaging the free end of the said horizontal or straight portion of the handle with the open mouth of the socket welded to the container, such that the free end of the threaded bolt comes in contact with the extended free end of the threaded nut provided in the said socket; and
- (vi) thereafter, screwing the threaded bolt with the threaded nut, to hold the handle securely with the container.

CLASS 97-C.

141541.

Int. Cl.-F24h 1/00.

## AUTOMATIC ON-OFF SAFETY GEYSER.

*Applicant & Inventor* : SURESH SHRIDHAR SATHAYE, BUILDING NO. 1/2, BLOCK NO. 2, SAHAKAR NAGAR NO. 1, CHEMBUR, BOMBAY-400 071, MAHARASHTRA, INDIA.

Application No. 317/Bom/74 filed September 5, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims.

- (a) An automatic 'ON-OFF' safety geyser comprising a combination a pipe section 2 shown in accompanying drawings forming an outer casing carrying four or more even numbered electrodes 7, wherein one pair or diagonally opposed electrodes being connected to the phase and the other pair being connected to the neutral of an electric mains supply and an angularly and downwardly directed outlet 13 provided near the upper free end of the pipe section;

- (b) a reducer 1 carrying a drain outlet 14 provided at the inlet end of said pipe section 2;

- (c) the top free end of the pipe section 2 being provided with a union 3 carrying a second union 4 which supports a gasket 5 and a spacer-cum-insulator 8 carrying two pairs of holes 6C and 6D through which

four electrodes are passed and said second union 4 is fitted with a third union 11 covered by a cap 12 forming top cover for said pipe section, said cap 12 having a central hole through which a flexible electric cord is passed and connected to terminal posts of said two pairs of diagonally opposed electrodes 7; and

(d) the bottom ends of said electrodes 7 being provided with another spacer-cum-insulator 6 having two pairs of holes 6C—6D and two pairs of slots 6A—6B formed around its periphery and the bottom end of the pipe section 2 of the geyser being provided with a stop-cock 15 for connection to plumbing line for supply of water to the geyser, and characterised in that the electric current to the geyser may be kept in switched 'ON' position permanently and electric current is consumed only when water to be heated is passed through the inlet end of the geyser by turning 'ON' the stop-cock whereby the water flowing into the pipe section via said four slots formed in the bottom spacer-cum-insulator establish electrical contact between the said electrodes 7 which get heated by the electric current from the mains supply and hot water is discharged through the outlet 13 provided at the upper end of the geyser and when the stop-cock is shut 'off' the water inside the geyser is drained via the drain pipe 14 and the electric contact between the said electrodes is broken and the geyser is automatically switched 'off' even though the electric current to the electrodes remains in 'ON' position.

CLASS 32F, &amp; F.b.

141542.

Int. Cl.-C07d 27/56.

## PROCESS FOR THE PREPARATION OF IMINO-JSOIN-DOLINONE COMPOUNDS.

Applicant: SANDOZ LTD., OF LICHTSTRASSE 35, 4002 BASLE, SWITZERLAND.

Inventor: PETER BITTERLI.

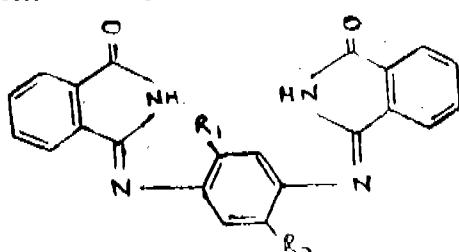
Application No. 1012/Cal/74 filed May 4, 1974.

Convention date May 7, 1973/(21630/73) U.K.

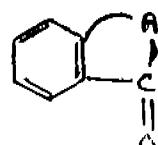
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

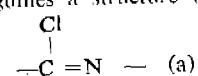
A process for the production of a compound of formula I.



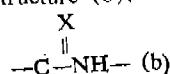
in which, R<sub>1</sub> and R<sub>2</sub>, which may be the same or different, each signifies a fluorine atom, a chlorine atom, a bromine atom, a methyl radical, a methoxy radical or an ethoxy radical, characterised by condensing a compound of formula II, cal, with



in which A signifies a structure (a).



or a structure (b).



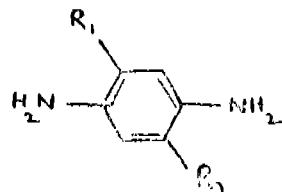
in which X signifies a radical of formula shown in Fig. 1



=S, =NH or a radical of formula shown in Fig. 2.



in which R signifies an alkyl radical, with a compound of formula III.

in which R<sub>1</sub> and R<sub>2</sub> are as defined above, or with a neutral salt of the company of formula III.

CLASS 32-D.

141543.

Int. Cl.-C07f 7/22.

## PREPARATION OF DIMETHYLTIN DICHLORIDE.

Applicant: CINCINNATI MILACRON CHEMICALS, INC., LOCATED AT READING, STATE OF OHIO, UNITED STATES OF AMERICA.

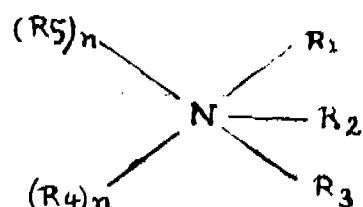
Inventors: ROBERT CHARLES WITMAN &amp; THOMAS GORDON KUGELE.

Application No. 1923/Cal/74 filed August 26, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

23 Claims.

A process for the preparation of dimethylin dichloride comprising reacting metallic tin with methyl chloride in the presence of a catalyst having the formula:



where each of R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> is an alkyl group having from 1 to 18 carbon atoms, an aralkyl group, an aryl group or hydrogen, R<sub>5</sub> is X or -SnX<sub>2</sub>; X is chlorine or bromine; and n is 0 or 1; with the proviso that when R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> are all hydrogen then X is bromine; at a temperature of from 150°C to 300°C and at a pressure of from 50 to 400 psig: there being present a solvent for the methyl chloride at the start of the reaction.

CLASS 39A &amp; E &amp; 88F.

141544.

Int. Cl.-C101 5/40.

## METHOD OF PROCESSING OF WASTE GASES.

Applicant &amp; Inventor: VLADIMIR SERGEEVICH KALACH, ULITSA LOBACHEVSKOGO, 22, KV. 37, MOSCOW, USSR AND LIDIA IVANOVNA BURLAKOVA, LENINSKY PROSPEKT, 52, KV. 316, MOSCOW, USSR.

Application No. 2024/Cal/74 filed September 10, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims.

A method of processing of waste gages which contains hydrogen fluoride, silicon tetra-fluoride and additionally sulfur dioxide and phosphate ore dust or phosphoric acid mist for obtaining an admixture of precipitates containing sodium fluoride, sodium fluosilicate, phosphate dust and sodium sulphite consisting in that the said gages are absorbed from said waste gages by water solutions containing ammonium compounds (ammonium carbonate, ammonium bicarbonate and ammonium fluoride), ammonia and sodium fluoride to produce a water solution containing ammonium fluoride and the precipitate of sodium fluosilicate; said solution on treatment with sodium carbonate results in the precipitation of slightly soluble sodium fluoride which is separated from the solution along with sodium fluo-silicate, phosphate dust, sodium sulphite and the solution is recycled for waste gas absorption.

CLASS 90H. & I. 141545.  
Int. Cl.-C03c 11/04.

## NECK RING CARTRIDGE FOR GLASSWARE MACHINE.

*Applicant* : EMHART INDUSTRIES, INC., OF 426 COLT HIGHWAY, FARMINGTON, CONNECTICUT 06032. UNITED STATES OF AMERICA.

*Inventors* : GEORGE ERNEST ROWE AND SEIMA SEHINDLER ROWE.

Application No. 1097/Cal/75 filed June 2, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims.

A glassware forming machine of the type having a blank mold station wherein several preliminary parisons are formed, a blow mold station for final forming several glassware articles from these parisons, and a neck ring mechanism for transferring these parisons from the blank station to the blow station, wherein;

(a) left and right hand neck ring arms, both of which arms include portions for attachment to the neck ring mechanism whereby said arms are both movable from and to said blank and blow stations, and also individually movable toward and away from one another,

(b) said neck ring arms having longitudinally extending surfaces which face one another, each such neck ring arm surface defining at least one longitudinally extending channel open onto said surface,

(c) left and right hand neck ring cartridges, each such cartridge being slidably received in an associated one of said neck ring arm channels,

(d) said cartridges having facing portions which define locating surfaces for receiving neck ring mold segments and neck ring mold mounting means for retaining said mold segments against said locating surfaces and in said cartridges, and

(e) quick disconnect attachment means for retaining said cartridges in said channels to facilitate the removal and replacement of said neck ring mold segments by removing the cartridges.

CLASS 32F<sub>2</sub>a. 141546.  
Int. Cl.-C07c 69/40, 69/42.

## PROCESS FOR THE PREPARATION OF SUCCINYLO-SUCCINIC ACID DIESTERS.

*Applicant* : LONZA LTD., OF CAMPEL/VALAIS, SWITZERLAND.

*Inventor* : ERICH GRETH.

Application No. 1388/Cal/75 filed July 16, 1975.

Convention date April 29, 1975/(17751/75) U.K.

Addition to No. 492/Cal/73.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 13 Claims. No drawings.

Process for the preparation of succinylosuccinic acid diesters from  $\gamma$ -haloacetoacetic acid esters in water, wherein the reaction of the  $\gamma$ -haloacetoacetic acid ester is carried out in an aqueous buffer solution of inorganic salts at a pH value of 8—10, the pH being kept constant during the reaction by the addition of a base and the reaction being carried out in the presence of at least one dispersion agent.

CLASS 32E. 141547.  
Int. Cl.-C08g 3/50, 11/02.

## A PROCESS FOR PREPARING AN AQUEOUS SLURRY OF VESICULATED POLYESTER RESIN GRANULES.

*Applicant* : DULUX AUSTRALIA LTD., OF 1, NICHOLSON STREET, MELBOURNE, VICTORIA, AUSTRALIA.

*Inventors* : ROGER HAMPTON COATES AND JOHN GILLAN.

Application No. 546/Cal/76 filed March 30, 1976.

Convention date April 21, 1975/(PC 1318/75) AUSTRALIA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims. No drawings.

A process of preparing an aqueous slurry of vesiculated polyester resin granules by stirring into water a solution of an unsaturated polyester resin in ethylenically unsaturated monomer such as herein described to form a dispersion in the water of globules of the unsaturated polyester resin solution and then adding to the dispersion a free radical initiator such as herein described to initiate co-reaction of the unsaturated polyester resin and ethylenically unsaturated monomer, the process being further characterised in that;

(1) the polyester resin shall comprise from 2—50% by weight of poly (ethylene oxide) chains of average molecular weight 1000—10,000, which are water soluble at the granule processing temperature and

(2) the ethylenically unsaturated monomer shall have a solubility of less than 5% by weight in water.

CLASS 69-I. 141548.  
Int. Cl.-H01h 35/00.

## IMPROVEMENTS IN OR RELATING TO VACUUM/PRESSURE SWITCHES.

*Applicant* : DEVELOPMENT CONSULTANTS PRIVATE LIMITED, OF 24-B, PARK STREET, P.O. PARK STREET, CALCUTTA-16, STATE OF WEST BENGAL, INDIA.

*Inventors* : DWIJENDRA LAL NATH AND SUBRATA DAS.

Application No. 621/Cal/76 filed April 9, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims.

An improved vacuum/pressure switch, for sensing the vacuum/pressure prevailing in a receptacle or pipe-line containing fluids (as hereinbefore defined), characterised in that the said switch mainly has for its essential parts :

(i) a body;

(ii) a diaphragm fitted by a bracket or like means on the said body, for providing a sealed chamber between the body and the said diaphragm, the said sealed chamber being connected to a receptacle or pipe-line containing fluid;

(iii) a frame, on which is mounted a micro-switch having an actuating pin, one end of the said frame being hinged with the bracket fixed on the said body; and

(iv) a set-screw being pivotally mounted on the other opposite end of the frame by means of a bracket (hereinafter referred to as the additional bracket), for adjustment of the setting of the micro-switch for a predetermined vacuum or

pressure as the case may be, so that on rotation of the said set-screw in one direction will adapt to raise the said frame holding the micro-switch, and in turn automatically raise the actuating pin of the micro-switch, but on rotation of the said set-screw in the other direction will adapt to lower the said frame as well as the actuating pin of the said micro-switch, the said actuating pin always remaining in contact with the diaphragm in whichever direction the set-screw is rotated.

CLASS 107H.

141549.

Int. Cl.-F02m 37/00.

## IMPROVEMENTS TO FUEL INJECTION PUMPS FOR I.C. ENGINES.

*Applicant* : ROTO DIESEL, OF 9 BOULEVARD DE 1<sup>er</sup> INDUSTRIE, BLOIS, (LOIR-ET-CHER), FRANCE, FORMERLY OF 98 BOULEVARD VICTOR-HUGO, CLICHY (HAUTS-DE-SEINE), FRANCE.

*Inventor* : JEAN-CLAUDE BONIN.

Application No. 558/Cal/74 filed March 15, 1974.

Addition to No. 2198/72.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A fuel injection pump of the kind specified in which the contacting surfaces of the shoes are inclined and the surfaces of the end portions of the leaf spring stop which engage said contacting surfaces are, inclined in a complementary manner and means is provided for adjusting the axial setting of the shoes whereby the extent of outward movement of the plungers can be varied.

CLASS 55F &amp; 128F &amp; 60X.b.

141550.

Int. Cl.-A61j 3/00, 7/00.

## A SLOW RELEASE AND LONG ACTING DRUG AND METHOD FOR PREPARING THE SAME.

*Applicant* : AMERICAN CYANAMID COMPANY, OF THE TOWNSHIP OF WAYNE, STATE OF NEW JERSEY, UNITED STATES OF AMERICA.

*Inventor* : RICHARD CARL CAPOZZA.

Application No. 150/Cal/75 filed January 27, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A method for preparing a slow release and long acting drug which comprises intimately dispersing drug as herein described in a matrix and herein defined of enzymatically degradable form of poly (N - acetyl - D - glucosamine).

CLASS 32F, & F<sub>5a</sub> & 55D<sub>2</sub> & 60X<sub>1</sub>.

141551.

Int. Cl.-C07f 9/40, 9/42.

## PROCESS FOR THE PREPARATION OF DIARYL DICHLOROMETHYL PHOSPHONATES.

*Applicant* : THE DIRECTOR, INDIAN AGRICULTURAL RESEARCH INSTITUTE, NEW DELHI-110012, INDIA.

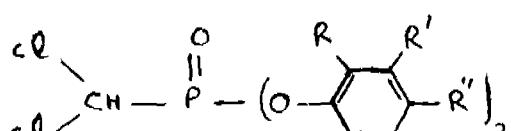
*Inventors* : NRIPENDRA KUMAR ROY, SUNIL KUMAR MUKHERJEE AND SACHCHIDANANDA BEDI.

Application No. 2292/Cal/75 filed December 2, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

20 Claims.

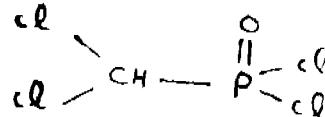
Process for preparing a compound of formula I.



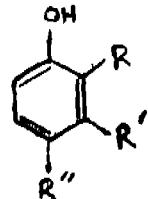
wherein R is selected from the group consisting of H, Cl.

No<sub>2</sub>, CH<sub>3</sub> or OCH<sub>3</sub>; R'' is selected from the group consisting of H, CH<sub>3</sub>, NO<sub>2</sub> or OCH<sub>3</sub>; and R'' is selected from the group consisting of H, OCH<sub>3</sub>, SCH<sub>3</sub>, C(CH<sub>3</sub>)<sub>3</sub>, Cl or Br.

which comprises reacting dichloromethyl phosphonic-dichloride of formula III.



with a compound of formula II.



wherein R, R' and R'' are as defined above in a solvent as herein described.

CLASS 134A.

141552.

Int. Cl.-B60p 1/00.

## IMPROVEMENTS IN OR RELATING TO BODIES FOR LOAD CARRYING MOTOR VEHICLES.

*Applicant & Inventor* : SURJAN SINGH, OF 33, SHAKESPEARE SARANI, CALCUTTA-700017, WEST BENGAL, INDIA.

Application No. 1235/Cal/76 filed July, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims.

A body for a load carrying vehicle having front wheel drive only comprising front chassis subframe assembly secured rigidly to a main cross member, a load carrying body portion or part having a bottom or floor part, front and side walls, a rear wall hinged to the bottom of the floor part at its rear end and adapted to be secured in its normal position to the side walls and also adapted to be removed when desired, two body carrying side frame assemblies secured to the said main cross member and means for lowering the body part to the ground or floor and raising the same to its normal load carrying position.

CLASS 87-I.

141553.

Int. Cl.-A63h 27/12.

## A TOY RESEMBLING A FLYING SAUCER.

*Applicant & Inventor* : ANJAN ROY, OF NO. 84, CHOWRINGHEE ROAD, CALCUTTA-20, WEST BENGAL, INDIA.

Application No. 2063/Cal/74 filed September 17, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A toy resembling a flying saucer particularly made of thermoplastic material having an inverted saucer like body comprising (i) a circular central portion having a centre surrounded by a substantially flat circular surface area bounded by a raised circular rib; (ii) an integrally formed rim circumscribing the said circular central portion; (iii) an integrally formed smooth curved or transition surface provided between the said central portion and the rim to form an upper convex surface and a lower concave surface.

(iv) a plurality of uniformly and evenly spaced concentric circular raised ribs provided on the convex side of the smooth curved surface wherein the outermost rib is located on the curved surface in the area where the rim and the central portion merge.

CLASS 32F, & F.b. & 60X<sub>4</sub>d.  
Int. Cl.-C07d 33/14.

PROCESS FOR THE MANUFACTURE OF QUINOLONE ALKANOIC ACIDS.

Applicant: IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILL-BANK, LONDON, SW1P 3JF, ENGLAND.

Inventors: DAVID ROBERT BRITAIN, EDWARD DOUGLAS BROWN AND WALTER HEPWORTH.

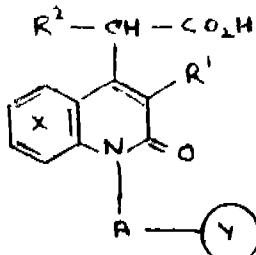
Application No. 363/Cal/76 filed February 27, 1976.

Convention date March 20, 1975((11644/75) U.K.

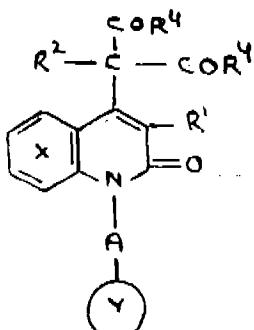
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A process for the manufacture of a quinolone alkanoic acid of the formula I.



wherein A is a direct bond, or a C<sub>1-4</sub>-alkylene or C<sub>2-4</sub>-alkenylene radical; R<sup>1</sup> is hydrogen or a halogen atom or a C<sub>1-4</sub>-alkyl radical; R<sup>2</sup> is hydrogen or a C<sub>1-4</sub>-alkyl radical; and wherein the benzene ring X may optionally bear 1 or 2 substituents selected from halogen atoms, C<sub>1-6</sub>-alkyl, C<sub>1-4</sub>-alkoxy, C<sub>1-4</sub>-alkylthio, trifluoroethyl C<sub>1-3</sub>-alkylenedioxy, nitro, amino, C<sub>1-4</sub>-alkylamino, di-(C<sub>1-4</sub>-alkyl) amino and C<sub>2-4</sub>-alkanoylamino radicals and from C<sub>7-10</sub>-aralkoxy radicals optionally substituted by a halogen atom and wherein the ring Y is a phenyl radical which may optionally bear 1, 2 or 3 substituents selected from halogen atoms, C<sub>1-6</sub>-alkyl, C<sub>1-4</sub>-alkoxy, C<sub>1-4</sub>-alkylthio, C<sub>1-4</sub>-alkylsulphanyl, C<sub>1-4</sub>-alkylsulphonyl, C<sub>1-4</sub>-alkylamino, di-(C<sub>1-4</sub>-alkyl) amino, nitro, cyano, trifluoromethyl and C<sub>2-8</sub>-alkoxyalkyl radicals and from C<sub>6-10</sub>-aryl radicals optionally substituted by 1 or 2 halogen atoms; or wherein the ring Y is a naphthyl or a monocyclic heterocyclic aromatic radical which may optionally bear 1 or 2 substituents selected from halogen atoms, C<sub>1-4</sub>-alkyl and C<sub>1-4</sub>-alkoxy radicals; or a pharmaceutically-acceptable salt thereof; characterised by hydrolysing and decarboxylating in a manner known per se a malonate of the formula II.



wherein R<sup>1</sup>, R<sup>2</sup>, A, X and Y have the meanings stated above and R<sup>4</sup> is a C<sub>1-4</sub>-alkoxy radical, or an acid-addition thereof.

CLASS 159-I & 168C.

141555.

Int. Cl.-B61 25/00, 1/00.

A WHEEL DETECTOR ARRANGEMENT FOR A RAILWAY SYSTEM.

Applicant: INTERNATIONAL STANDARD ELECTRIC CORPORATION, OF 320 PARK AVENUE, NEW YORK 22, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventors: HANS FRICKE AND DIETER SELLE.

Application No. 1733/Cal/74 filed August 2, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A wheel detector arrangement for a railway system, including an elongated magnetic core having one or more transmitter windings adapted to be connected to a transmitter and an array of two or more elongated parallel magnetic yokes at least one of which carries a receiver coil, in which the yokes are attached by their centre portions to the core and are arranged perpendicular to the core, in which each said receiver coil is divided into two equal windings one on each side of the core such that, in use, in the absence of a vehicle wheel, the net magnetic flux enclosed by each receiver coil is substantially zero, and oscillations induced in one receiver winding by the transmitter flux are equal and opposite to the oscillations induced in the other winding, and in which passage of a vehicle wheel made of a magnetic material past the coil arrangement disturbs the flux pattern causing unbalance of the oscillations in the receiver windings.

CLASS 35F & 123.

141556.

Int. Cl.-C05d 9/00, 3/04, A01n 7/00.

A PROCESS FOR PREPARING COMPOSITIONS USEFUL IN AGRICULTURE AS SOIL MODIFIERS AND FERTILIZERS.

Applicant: SOCIETA ITALIANA RESINE S.I.R. S.P.A. OF 33, VIA GRAZIOLI, MILAN, ITALY.

Inventors: LUIGI PICCOLO, BENEDETTO CALCAGNO, MARCELLO GHIRGA, AND ANTONIO PAOLINELLI.

Application No. 1827/Cal/74 filed August 14, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims. No drawings.

A process for preparing compositions useful in agriculture as soil modifiers and fertilizers starting from the waste materials in the manufacture of titanium dioxide from ilmenites or ilmenite slags by the sulphate process, said waste materials consisting essentially of heptahydrated ferrous sulphate characterized by thoroughly contacting said waste materials in solid phase with a compound or a mixture of compounds chosen in the group consisting of the oxides, hydroxides or carbonates of alkali metals or alkaline earth metals or of ammonium carbonate, at a temperature from 20°C to the melting point of the heptahydrated ferrous sulfate to thereby obtain a conversion reaction product consisting essentially of one or more alkali metal, ammonium or alkaline earth metal sulphates, and ferrous hydroxide, and submitting the said product to oxidation by molecular oxygen at a temperature from 20 to 80°C to convert ferrous hydroxide into ferric hydroxide and the said oxidation product is treated with sulphuric acid to thereby convert the ferric sulphate in a proportion amounting to 40% by weight at least, preferably from 80 to 95% by weight.

CLASS 14A, & B. 141557.

Int. Cl.-H01m 1/06, 9/04, 21/04, 39/00.

A DRY TYPE LEAD ACID BATTERY AND A METHOD OF MANUFACTURING THE SAME.

*Applicant & Inventor*: KOLIEGAL RAMASWAMY NANDA KUMAR, OF 41/1, 10TH MAIN ROAD, MALLESWARAM, BANGALORE-560 003, KARNATAKA, INDIA.

Application No. 112/Mas/74 filed June 26, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

15 Claims.

A dry type lead acid battery comprising a housing accommodating a plurality of cells, each cell comprising a positive and a negative electrode, each electrode being constituted by a plurality of active plates wherein each such plate is wrapped with glass wool mats with the ends of said mats projecting beyond the top of the respective plates; connectors adapted to connect, respectively, the active plates of positive polarity to each other and the active plates of negative polarity to each other; acid resistant separators disposed between the said plates so as to cause the said glass wool mats to press against the said plates; a separator guard mounted above the plates for serving as a protective cover for the said plates and also for arresting the spray of electrolyte, said guard being perforated at one or more places for enabling electrolyte to get in between the plates while filling and for facilitating escape of gases liberated during charging; an electrolyte in thixotropic gel form comprising a mixture of sulphuric acid, or phosphoric acid and pure sodium silicate solution; a closure for covering and sealing the housing; two terminal posts attached, respectively, to the connectors corresponding to the plates of positive and negative polarity, said posts projecting out of the said housing through the said closure; and a pressure release valve provided for the closure, for bleeding the housing of any excessive gaseous pressure.

CLASS 101F. 141558.

Int. Cl.-E03d 7/007.

A DEVICE FOR DELIVERING WATER FROM A HIGHER LEVEL TO A LOWER LEVEL.

*Applicant*: MANOHAR INDUSTRIES, OF MOHALLA GADIPURA, NANDED, MAHARASHTRA, INDIA.

*Inventor*: MANOHARLAL SURI.

Application No. 440/Bom/74 filed December 16, 1974.

Addition to No. 120154.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims.

Improvement in or modification of the structural device as claimed in Parent Patent Specification No. 120154 of 3-3-1969 wherein the ducts formed in the hollow vertical body are connected with pipes, one being the inlet pipe and the other the outlet pipe while the diverging wings are fitted at the free ends of such pipes.

CLASS 126A. 141559.

Int. Cl.-G01n 11/14.

MAGNETIC VISCOMETER.

*Applicant & Inventor*: PERUNKULAM LAKSHMINARAYAN GEETHA, AT 2, GOKHALE ROAD, MADURAI-2, INDIA.

Application No. 34/Mas/75 filed March 5, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

1 Claim.

An apparatus for measuring relative viscosity of liquids comprising of a U shaped magnet mounted on the vertical

spindle of an electric motor, a transparent thermostat enclosing a transparent cylindrical container holding a rotor with a metallic sleeve and a guide, the said thermostat and the container holding the rotor being placed inside the U shaped magnet, such that wherein the U shaped magnet rotates, a torque is developed by eddy currents in the rotor, thereby rotating the said rotor.

CLASS 126A. 141560.

Int. Cl.-G01r 19/02, 19/04.

HALF CYCLE RESPONSE A.C. PEAK VOLTAGE SENSOR.

*Applicant & Inventor*: DR. K. M. HEBBAR, AP18, K. R. E. C. QUARTERS, SRINIVASNAGAR, PIN-574157, INDIA.

Application No. 108/Mas/75 filed July 21, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

1 Claim.

A sensor circuit for sensing the peak magnitude of the A. C. voltage comprising two peak sensors each consisting of a diode and a capacitor connected to each other, one of the said peak sensors being connected to an extremity of a centre-tapped transformer secondary of an input transformer and the other of the peak sensors connected to the other extremity of the said secondary; one of the said peak sensors sensing the positive peak and the other peak sensor sensing the negative peak of the input voltage; two resetting transistors each connected respectively across the capacitors of the said peak sensors, one of the said transistors when fed by a voltage pulse at its base circuit discharging the corresponding capacitor and the other transistor when fed by a voltage pulse at its base circuit discharging the other capacitor; thus enabling both positive and negative peak sensors to get charged to the peak voltage everytime a fresh, by cutting off the resetting transistors in time to allow the peak sensing capacitors to get charged to their respective peak voltages, so that any change in the peak voltage is detectable immediately following the change; and two output diodes connected respectively to the capacitors so as to select the larger of the two peak sensor voltages across the two capacitors, which would correspond to the latest peak voltage of the A.C. input, thus enabling the sensing of any voltage change in the input A.C. within half a cycle of the change in the input.

CLASS 53A. 141561.

Int Cl.-B63b 7/04, B62k 17/00.

TWO WHEELED VEHICLE ATTACHMENT.

*Applicant & Inventor*: CHERUKUR KRISHNASWAMY BHASKAR, 3-A, NUNGAMBAKKAM HIGH ROAD, MADRAS-600034, TAMIL NADU, INDIA.

Application No. 42/Mas/76 filed March 9, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

7 Claims.

An attachment for a two wheeled vehicle characterised by the provision of a carrier means fitted to the rear of said vehicle, said carrier means being additionally supported by two side wheels one on either side of the rear wheel of said vehicle, the axles of said side wheels being fitted in the framework of said carrier means, a seating means fitted on said carrier means for carrying additional persons as well as load on said vehicle, and a covering means fitted to said seating means or said carrier means for protecting from weather the persons seated on said vehicle.

CLASS 104-I & N. 141562.

Int. Cl.-D06n 7/00.

AN IMPROVED PROCESS FOR MANUFACTURE OF MICA SHEETS.

*Applicant*: PRESIDENT, FOREST RESEARCH INSTITUTE AND COLLEGES, NEW FOREST, DEHRA DUN, INDIA.

*Inventors* : YATISH KUMAR SHARMA, AND SUBRAMANYAM RAMADAS GUHA.

Application No. 930/Cal/73 filed April 19, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims.

An improved process for the manufacture of mica sheet from scrap or waste which comprises in washing said waste in water to remove foreign particles therefrom, subjecting said washed waste to the step of mica layer separation by heating characterized in that the mica layer separation step consists in generating steam at least at the edges of the interfaces of adjacent layers by heating the said washed waste to cause a separation of adjacent layers to produce mica pulp, treating said pulp in a conventional paper machine to produce mica sheets.

CLASS 123. 141563.

Int. Cl.-C05d 1/02.

**PROCESS FOR THE MANUFACTURE OF FERTILISER-GRADE POTASSIUM SULPHATE.**

*Applicant & Inventor* : MYSORE STATE INDUSTRIAL INVESTMENT AND DEVELOPMENT CORPORATION LIMITED, 36, CUNNINGHAM ROAD, BANGALORE-560 052, STATE OF KARNATAKA AND DR. KRISHNA-PILLAI VISHWANATHAN NAYAR, 51, INDIRA-NAGAR, HIND STAGE, BANGALORE-560 038.

Application No. 13/Mas/74 filed January 24, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims. No drawings.

A process for the manufacture of fertilizer grade potassium sulphate from potassium chloride by reacting aqueous solutions of potassium chloride and ammonium sulphate, characterized in that the pH value of the slurry formed during the said reaction is raised, by the addition of an alkali, so as to effect the maximum possible precipitation of potassium sulphate from the said slurry.

CLASS 187F. 141564.

Int. Cl.-H04b 3/00, H04j 5/00, H04m 9/06.

**IMPROVEMENT IN OR RELATING TO INTER-COMMUNICATION SET OR APPARATUS.**

*Applicant & Inventor* : ROCHE RAMCHAND PAR-DASANI, BHATIA BUILDING, 87, RANADE ROAD, SHIVAJI PARK, DADAR, BOMBAY-28, INDIA.

Application No. 88/Bom/74 filed March 5, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

15 Claims.

An improved intercommunication set or apparatus which includes at least a set of more than two stations and common communicating lines serving all the active stations, wherein each such active station includes switches including selection switches for communication and any station includes at least a listening device and/or means for connecting listening device such as speaker or phone or an earphone characterised in that in any active station one or more selection switches and one or more by-pass switches when operated to "ON" positions cooperate in selection and exclusion of a station or stations where a by-pass line of any station can be connected to by-pass switches in different active stations can be connected to signal carrying common communicating line through at least a switch provided in the same station where each by-pass switch is connected between a by-pass line and return line.

CLASS 128F. 141563.  
Int. Cl.-A61m 37/00.

**AN INSTRUMENT FOR DISPENSING A MATERIAL INTO THE FALLOPIAN TUBES OF A FEMALE BODY.**

*Applicant* : POPULATION RESEARCH INCORPORATED, 7875, BEECH STREET, N.E., MINNEAPOLIS, MINNESOTA 55432, UNITED STATES OF AMERICA.

*Inventors* : LEE ROBIN BOLDUC AND EUGENE ARTHUR DICKHUTD.

Application No. 519/Cal/74 filed March 11, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

36 Claims.

An instrument for use in dispensing a material into the Fallopian tubes of a female body comprising: dispensing means positionable in a uterine cavity for dispensing the material into the uterine cavity, and; further means for selective expansion for substantially completely filling the uterine cavity and making firm engagement with the inner wall of the uterine cavity including the fundus and the cornual areas, all regardless of the size of the uterine cavity.

CLASS 139G & Q. 141566.

Int. Cl.-B23k 31/00, 37/04.

**METHOD AND APPARATUS FOR MANUFACTURING CONTACT SPRINGS AND THE SPRINGS SO MANUFACTURED.**

*Applicant* : INTERNATIONAL STANDARD ELECTRIC CORPORATION, OF 320 PARK AVENUE, NEW YORK 22, STATE OF NEW YORK, UNITED STATES OF AMERICA.

*Inventors* : ROYSTON WALTER BANNISTER AND FRANK TAYLOR.

Application No. 957/Cal/74 filed April 27, 1974.

Convention date May 31, 1973/(26001/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A method of manufacturing contact springs, wherein two contact springs are obtained from each welding operation, comprising the steps of locating a billet of contact material between two springs, supporting the billet and the springs so that the billet touches the two springs, passing an electric welding current through the billet and springs to weld the billet to both springs, and then forming the billet into two separate portions such that each spring is left with an electrical contact made from the billet.

CLASS 92-I. 141567.

Int. Cl.-A01f 7/00, 11/00, 12/00.

**IMPROVEMENTS IN OR RELATING TO MULTICROP THRESHERS.**

*Applicant* : JVOTI LIMITED, OF INDUSTRIAL AREA, P.O. CHEMICAL INDUSTRIES, BARODA-390 003, STATE OF GUJARAT, INDIA.

*Inventors* : SHRI GORDHANBHAT CHATTIBHAT PATEL, AND SHRI KANAIYALAL MANGALDAS PATEL.

Application No. 210/Bom/74 filed May 29, 1974.

Post dated 10th February, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 30 Claims.

A multi-crop thresher characterised in that it comprises of :

(i) a threshing chamber consisting of a plurality of heaters disposed at the centre of such chamber on a rotating shaft, an adjustable hopper for feeding the threshing chamber with crop, a beater cover for enclosing the heaters from above, a concave affixed to the lower portion of the threshing chamber;

(ii) a winnowing chamber located below the concave of the threshing chamber consisting of a plurality of suction ports leading therein, a suction fan and a refuse exhauster for elimination of the light trash from the threshed grain;

(iii) a sieving unit comprising of a reciprocating table on which is mounted a screen with suitable perforations and a tray so that the sieved grain passes through the screen whilst the larger trash passes over the tray;

(iv) a grain collector unit comprising of a baffle grain collector which is in the shape of a sector of a circle, a blower fan unit, an inclined air conduit leading from the blower fan into the path of the vertically falling grain from the sieve;

(v) a grain elevator and bagging unit comprising of a grain auger moving in a auger case, a thrower fan, a thrower extension and a bagging outlet;

(vi) means for driving the rotating beater shaft in the threshing chamber, the suction fan, the reciprocating sieve, the blower fan, the grain auger and the thrower fan through a single prime mover and a system of pulleys and belts.

## CLASS 186-E.

141568.

Int. Cl.-H04n 5/02.

## AN IMPROVED TELEVISION RECEIVER DEFLECTION SYNCHRONIZATION SYSTEM.

*Applicant* : RCA CORPORATION, OF 30 ROCKFELLER PLAZA, NEW YORK, NEW YORK, 10020, UNITED STATES OF AMERICA.

*Inventor* : ALVIN REUBEN BALABAN.

Application No. 2194/Cal/74 filed September 30, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims.

A television receiver deflection synchronizing system comprising a first source of synchronizing pulses subject to degradation; a second source of synchronizing pulses occurring at a multiple of the frequency of said pulses from said first source; resettable counting means coupled to said second source for producing first and second signals upon counting first and second numbers of pulses respectively from said second source; enabling means coupled to said resettable counting means and to said first source of synchronizing pulses for being enabled by said first signal from said resettable counting means for passing pulses from said first source occurring during a predetermined time interval after said first signal enables said enabling means; and means coupled to said resettable means and to said first source of synchronizing pulses for resetting said resettable counting means upon the occurrence of said second number of pulses from said resettable counting means and upon the occurrence of a pulse from said first source of synchronizing pulses.

## CLASS 107B &amp; 163B.

141569.

Int. Cl.-F01b 7/02, F01b 13/00, F01c 1/02.

## ROTARY ENGINE.

*Applicant & Inventor* : CHEERAM PARAMBIL MUHAMMAD SALIM MANZIL, P.O., KAVUKKOD, (VIA) CHALISERI, KERALA STATE, INDIA.

Application No. 188/Mas/74 filed December 16, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 5 Claims.

A rotary engine comprising of a cylinder block open at both ends and having cooling means, inside which block is provided at least one pair of opposed pistons movable in cylinder, each of the said pistons having piston rings near the ends inside the cylinder and a gudgeon pin carrying a roller at the other end, and a profiled member having one or more pairs of arcuate profiles cut radially and symmetrically along its inner periphery or web, said profiled member enclosing or encasing said pistons and cylinder block circumferentially, the said rollers on the pistons being in constant contact with and rotatable along said profiles, one of the said cylinder block and profiled member remaining stationary while the other member is rotatable during the reciprocation of the pistons in the cylinder.

## CLASS 53C &amp; E.

141570.

Int. Cl.-B62j 1/06, B62m 1/18, B62k 19/34, 25/10.

## IMPROVEMENTS IN BICYCLE.

*Applicant & Inventor* : CHEERAM PARAMBIL MUHAMMAD, SALIM MANZIL, P.O. KAVUKKOD, (VIA) CHALISERI, KERALA STATE, INDIA.

Application No. 197/Mas/74 filed December 31, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 7 Claims.

A bicycle comprising of a main member, carrying a forked member which holds the front wheel, and a rocking member pivoted to the said main member, either said rocking member or said main member carrying the seat, the said member carrying the seat being connected to one limb of a driving crank mechanism fixed to the hub of the rear wheel, and the other member carrying at least one pair of foot pegs, slidably resting on the other limb of the said driving crank mechanism, the arrangement being such that the bicycle is powered and propelled due to the body weight of the rider as he bumps up and down, keeping his feet on the said foot pegs.

## CLASS 130 F &amp; 141 D.

141571.

Int. Cl.-C21b 15/00.

## PROCESS FOR PRODUCING METALLIC IRON CONCENTRATES AND TITANIUM OXIDE CONCENTRATES FROM TITANIFEROUS ORES.

*Applicant* : ICI AUSTRALIA LIMITED, OF 1 NICHOLSON STREET, MELBOURNE, VICTORIA, AUSTRALIA.

*Inventors* : DONALD FERGUSSON STEWART AND LESLIE JOHN POLLARD.

Application No. 713/Cal/73 filed March 29, 1973.

Convention date April 4, 1972/(PA8492/72) AUSTRALIA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 25 Claims. No drawings.

A process of producing metallic iron from iron oxides in an oxide containing material comprising iron oxide and a non-ferrous metal oxide wherein the oxide containing material is heated in a furnace in the presence of hydrogen chloride, a flux such as herein described, and a solid carbonaceous material such as herein described, to a temperature below that at which a slag is formed.

## CLASS 32F,a.

Int. Cl.-C07c 27/00.

141572.

## PROCESS FOR THE HYDRO-FORMYLATION OF OLEFINES.

*Applicant* : VEB LEUNA-WERKE "WALTER UL-BRICKT", OF 422, LEUNA 3, GERMAN DEMOCRATIC REPUBLIC.

*Inventors* : DR. KLAUDIA ALEXANDROVNA ALEK-SEEWA, DR. MAXIM PETROWICH R. VYSOTZKIJ DIPL.-CHEM. VLADIMIR BENCIONOVICH DELNIK, DR. VLADIMIR LEONID OVITSCH KILMENKO, DR. AIDA GRIGORIEVNA TRIEL, DR. HANS BALTZ, DR. HERBERT KNEBEL, DR. GUNTER KOHL, DR. HART-MUT RAUE, DR. RUDI SCHMUCK AND DR. ANTON TILLE.

Application No. 100/Cal/74 filed January 15, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims. No drawings.

A conventional process for hydroformylation of olefins at elevated temperature of around 130°C and under elevated-pressure of around 250 atms. in presence of cobalt carbonyls with subsequent conversion of the cobalt carbonyls into cobalt salts of higher organic acids, separation of the reaction products from the cobalt salt solution by distillation and recycle of the cobalt salt solution into the process, characterized by the improvement that cobalt or its compounds, e.g., cobalt hydroxide, cobalt oxide, cobalt carbonate are injected into the carbonyl former or reactor, and higher organic acids are injected into the said carbonyl former or into a later stage prior to the decobaltization by oxidation, especially into the decobaltizer.

CLASS 32F<sub>2</sub>C & 40A<sub>2</sub> 141575.

Int. Cl.-C07c 27/00, C10g 13/00.

PROCESS FOR THE CATALYTIC CRACKING OF FORMIC ESTERS AND THEIR MIXTURES WITH ALCOHOLS.

*Applicant* : VEB LEUNA- WERKE "WALTER UL-BRICKT", OF 422 LEUNA 3, GERMAN DEMOCRATIC REPUBLIC.

*Inventors* : DR. HANS BALTZ, (2) DIPL. CHEM. KURT BECKER, (3) DIPL. CHEM. RALF DAUTE, (4) DIPL. CHEM. JOCHEN MULLER, (5) DR. SIEGFRIED POR-FDDA, (6) DR. HARTMUT RAUE, (7) DR. RUDI SCHMUCK.

Application No. 101/Cal/74 filed January 15, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claims. No drawings

Process for the catalytic cracking of formic esters in their mixtures with alcohols, especially in such mixtures as are derived from the Oxo-Synthesis, into alcohols, characterized by the fact that the said cracking is carried out in presence of hydrogen on iron-oxide-chromium oxide catalysts, said catalyst having an iron (III)-oxide-chromium (III)- oxide ratio between 65, 35 and 99; 1, preferably between 80 : 20 and 93 : 7 at temperatures in the range from 250° to 320°C, preferably from 270°C to 300°C and under a pressure from 1 to 250 ats especially from 5 to 25 ats.

CLASS 14A. 141574.

Int. Cl.-H01m 1/00.

ELECTRIC BATTERY TERMINAL SEALS.

*Applicant* : ELECTRIC POWER STORAGE LIMITED, OF 50, GROSVENOR GARDENS, LONDON, S. W. 1, ENGLAND.

*Inventors* : EDWARD ADDERLEY, & DEREK KURT SCHWENDENER.

Application No. 733/Cal/74 filed April 2, 1974.

Convention date April 3, 1973 (15986/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

An electric storage battery having a terminal seal formed by a body of sealing material in an annular well whose outer wall is afforded by the battery lid while its inner wall is afforded by the terminal post, characterised in that the bottom of the well is afforded by a shoulder which is carried by the terminal post and fits within the outer wall, and the top of the well is at least partly covered by a top wall projecting inwards from the outer wall.

CLASS 161A<sub>2</sub> & D. 141575.

Int. Cl.-E01c 19/00.

VIBRATING ROLLER.

*Applicant & Inventor* : ISIDORO LEBRERO MARTINEZ, OF AVDA. FCO. CABALLERO, 23 ZARAGOZA, SPAIN.

Application No. 1047/Cal/74 filed May 10, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Vibrating roller provided with a shaft, at least one body idle relative to said shaft, and at least one body rigid with said shaft, which bodies are arranged relative to one another in such a way that upon reversing the direction of rotation of the shaft, their respective centres of gravity take distinct positions, the centrifugal forces generated thus attaining predetermined levels in each case; the roller also comprising a damping means for damping mechanical shock occurring upon reversing the direction of rotation of the shaft.

CLASS 143D. 141576.

Int. Cl.-B65d 25/00, 1/00.

CARGO CONTAINER HAVING ADJUSTABLE SHELVES.

*Applicant* : GOODYEAR AEROSPACE CORPORATION, AT 1210 MASSILLON ROAD, AKRON, OHIO, UNITED STATES OF AMERICA.

*Inventors* : OSCAR WILLIAM MELLER, JOHN WILLIAM LOVICH AND FRANK CLINTON MORSE.

Application No. 1105/Cal/74 filed May 21, 1974.

Convention date February 28, 1974/(193, 807/74) Canada.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A baggage cargo container, comprising :

a substantially cubic framework connecting a top, base, end panels, and trapezoidal end section;

at least one fabric door connected in a sealed manner along one edge thereof to the cubic framework;

sealing means about the remaining edges of the fabric door for effectuating seals between the fabric door and the cubic framework;

adjustable securing means within the container for securing cargo contained therein between the securing means and a portion of the cargo container; and

a floor leveling means within the trapezoidal section for providing a level base within that section for storing luggage or baggage.

CLASS 157D<sub>2</sub>c 141577.

Int. Cl.-E01b 9/00.

A PAD FOR INTERPOSITION BETWEEN THE BOTTOM OF A RAILWAY RAIL AND A RAIL FOUNDATION UPON WHICH THE RAIL STANDS AND RAILWAY RAIL AND FASTENING ASSEMBLY INCLUDING THE PAD.

*Applicant* : PANDROL LIMITED, OF 7, ROLIS BUILDINGS, FETTER LANE, LONDON, EC4A 1JB, ENGLAND.

*Inventor* : WILLIAM GEORGE HOUGHTON.

Application No. 1276/Cal/74 filed June 11, 1974.

Convention date June 21, 1973/(29613/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A pad for interposition between the bottom of a railway rail and a rail foundation upon which the rail stands, the pad comprising a single piece of material in the form of a substantially rectangular sheet comprising an upper major face, a lower major face, two substantially rectangular recesses extending right through the pad substantially at the centres of first and second opposite sides of the pad, first and second walls each extending transversely with respect to said major faces and providing third and fourth opposite sides of the pad, and first and second sloping surfaces extending from respective ones of said walls to said upper major face, each of said sloping surfaces having a gradient substantially less than that of the wall from which it extends.

CLASS 206E.

141578.

Int. Cl.-H011 19/00.

METHOD FOR MAKING A COMPACT GUARD-BANDED MOS INTEGRATED CIRCUIT DEVICE.

*Applicant* : RCA CORPORATION, OF 30 ROCKEFELLER PLAZA, NEW YORK, NEW YORK, 10020, UNITED STATES OF AMERICA.

*Inventor* : ANDREW GORDON FRANCIS DINGWALL.

Application No. 1286/Cal/74 filed June 12, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A method of making an integrated circuit device (10) including an insulated gate field effect transistor (16 or 18), from a body (12) of semiconductive material having a surface (14), characterized by comprising the steps of forming on said surface (14) a diffusion-masking, framelike structure (86) which has a crossbar (88) whereby two openings (89) are defined therein, said framelike structure (86) comprising a gate insulator layer (83) on said surface (14) of said body (12), a refractory conductor layer (84) on said gate insulator layer (83), and an oxygen-impermeable layer (85) on said conductor layer (84), diffusing conductivity modifiers into said body (12) through the surface portions thereof within the two openings (89) in said framelike structure (86) to form spaced diffused regions (28, 30) in said body (12), removing portions of at least the conductor layer (84) and the oxygen-impermeable layer (85) in said framelike structure (86) to leave on said surface (14) at least those portions of said layers (84, 85) located in the crossbar (88) of said framelike structure (86).

CLASS 76B.

141579.

Int. Cl.-F16i 33/08.

HOSE CLIP WITH WORM DRIVE.

*Applicant & Inventor* : PRABHAKAR GANESH GO-GATE, 'PARISHRAM', RAM MARUTI ROAD, THANA-2, MAHARASHTRA STATE, INDIA.

Application No. 1282/Bom/74 filed August 5, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

1 Claim.

Hose clip with worm drive comprising an end washer of diameter smaller than the diameter of the housing of worm screw a retainer plate adjacent to, but behind the said end washer located outside the housing for the worm screw, the said retainer plate affords ease of tightening the said worm screw.

CLASS 143D, & D<sub>8</sub> & D<sub>9</sub>.

141580.

Int. Cl.-E05c 1/00, B65d 25/00.

CARGO CONTAINER DOOR AND LATCH ASSEMBLY.

*Applicant* : GOODYEAR AEROSPACE CORPORATION, AT 1210 MASSILLON ROAD, AKRON, OHIO, UNITED STATES OF AMERICA.

*Inventors* : JOHN WILLIAM LOVICH, OSCAR WILLIAM MELLER AND FRANK CLINTON MORSE.

Application No. 2647/Cal/74 filed November 28, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A cargo container door and latch assembly for sealing the front framework of a cargo container having a top, a base, vertical door frame elements interconnecting the top and base, and a header attached to the top and interconnecting the door frame elements; comprising :

a top door;

a hinge connecting the top door to the header;

a bottom door;

a lateral-hinge and latch assembly interconnecting the top and bottom doors, the latch-hinge assembly adaptable to fixedly interengage the top and bottom doors in one instance, separably release the doors in another instance, and allow rotational movement of one door with respect to the other in a third instance; and

a latch attached to the bottom door operative to fixedly engage the bottom door to the container framework.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

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93804 93890 94067 94358 94612 108204 108421 110182  
110204 110434 110441 110488 110515 110658 110667 110728  
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111919 111982 112048 112109 112207 112241 112685 113120  
113341 113668 114142 114418 114441 114443 114457 114662  
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PATENTS SEALED

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AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Montecatini Edition S.p.A., an Italian Company of 31, Foro Buonaparte, Milan, Italy, have made an application under Section 57 of the Patents Act, 1970 for amendment of the specification of their patent application No. 129504 for "Process for the purification of pyrite ashes from non-ferrous metals, from arsenic and from sulphur". The amendments are by way of explanation and correction

and by deletion of claim 6 on file. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing of the said notice.

#### CORRECTION OF CLERICAL ERRORS UNDER SECTION-78

##### (1)

The title of the application and specification of the application for Patent No. 138824 the acceptance of the complete specification of which was notified in Part III, Section 2, of

the Gazette of India dated the 3rd April 1976 has been corrected under sub-section (3) of the Section 78 of the Patents Act, 1970.

##### (2)

The title of the application and specification of the application for Patent No. 138838 (earlier numbered 597/Cal/73) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated 3rd April 1976 has been corrected under sub-section (3) of the Section 78 of Patents Act, 1970.

#### CLAIM UNDER SECTION-20(1) OF THE PATENTS ACT, 1970

The Claim made by Establishment Salged under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 139799 in their name has been allowed.

#### Supplementary List—I

#### COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of General & Mechanical Engineering Industry are not being commercially worked in India as admitted by the Patentee in the statements filed by them under Section 146(2) of the Patents Act, 1970, in respect of Calendar year 1975 generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose.

Sl. No.	Patent No.	Date of Patent	Name & Address of Patentee	Brief title of invention.
1	2	3	4	5
1.	125742	6-3-1970	Amazonen Werke H. Dreyer, 4501 Caste P. Hasbergen, P.O.B. 109, West Germany.	A spreader for granular, pulverulant for liquid materials.
2.	126428	29-4-1970	Fonderies Magotteaux S.A., of Rue Pres de la Tour 55, B-4601 Vauxsous-chevremont, Belgium.	Balls and plates for grinding mills.
3.	126567	8-5-1970	USS Engineers & Consultants Inc., 525 William Penn Place, Pittsburgh, Pennsylvania, U.S.A.	Apparatus for and method of protecting a sheet being electroplated.
4.	126881	1-6-1970	Jakob Zawels, Julius Jeppe Street, Weteklog, Pretoria, South Africa & Eric Donald Renaud of 1144, Milner Street, Waterklog, Pretoria, South Africa.	Apparatus for monitoring students actions.
5.	128061	18-8-1970	Sumitomo Electric Industries Ltd., 15, 5-chome, Kitahamia, Higashiku, Osaka City, Japan.	Heat treating hot rolled steel wire rod.
6.	128650	29-9-1970	Philip Morris Inc., 100 Park Avenue, New York, New York 10017, U.S.A.	Razer with flexible band blade.
7.	128870	17-10-1970	Bata India Ltd., 30 Shakespeare Sarani, Calcutta-700017, India.	An automatic sole moulding apparatus and method of manufacturing sole.
8.	129192	13-9-1971	Ahmedabad Textile Industry's Research Association, of 1860, P.O. Polytechnic, Ahmedabad-15, Gujarat, India.	Dual dryer for textile and like materials incorporating arrangements for the efficient use of drying medium.
9.	129402	26-11-1970	Tor isteg Steel Corpn., 19 Rue Aldringer, Luxembourg.	Reinforcement for reinforced concrete structures.
10.	129531	7-12-1970	Asahi Kasei Kogyo Kabushiki Kaisha, 25-1, Dojimahamadari-1-chome, Kita ku, Osaka, Japan.	Bobbin.
11.	129541	9-12-1970	Union Carbide Corpn., 270 Park Avenue, New York, New York 10017, U.S.A.	Annealing tower.
12.	129547	9-12-1970	Leningradsky Metalichesky Zavod, Imeni XXII Siezda KPSS, Leningrad, Sverdloveskaya Naberezhnaya, 18, U.S.S.R.	Rotation speed governer for a hydraulic turbine loaded by an electric power generator.
13.	129998	19-1-1971	Ethicon Inc., Sommerville, New Jersey, U.S.A.	Electro-polishing of drilled surgical needles.
14.	130009	20-1-1971	Shell International Research Maatschappij B.V., of Carel van Bylandstraat 30, The Hague, The Netherlands.	Method for automatic watching of an apparatus for the preparation and cooling of synthesis gas.
15.	130085	28-1-1971	Girling Ltd., of Kings Rd., Tyseley, Birmingham 11, Warwickshire, England.	Mechanical couplings for shoe drum.

1	2	3	4	5
16.	130500	6-3-1971	Stefan Fischer, Kerresgarten 21, Lohmer, Bez Kolin, West Germany.	Device for manufacture of hollow bodies out of thermoplastic synthetic material
17.	130556	16-3-1971	Fisons Ltd., Harvest House, Felixstowe, Suffolk, England.	Device for dispensing a medicament in a finely divided powder form.
18.	131209	3-5-1971	Bekum Maschinenfabriken G.m.b.H. 1, Berlin 42, Lankwitzerstrasse 14-15, Federal Republic of Germany.	Separating surplus of thermoplastic material from neck portions of blow moulded containers.
19.	131434	20-5-1971	Ivan Maximovich Ryabor & Others, K, 489 Korpus 608 KV 18'9, Moscow, U.S.S.R.	Method of producing soldered or brazed joint.
20.	131769	17-6-1971	Kharkovsky Aviations Institut, Kharkov 84, U.S.S.R.	Vertical machine for working of metals by impulses.
21.	131779	18-6-1971	Superba of 13 Rue de Pfastatt, Mulhouse, Haut-Rhin, France.	Installation for continuous treatment with a hot fluid of products in the form of sheets, bonds, stripes, threads, filaments or products in powdered form.
22.	131934	30-6-1971	Wenger Manufacturing Inc. Sabetha, Kansas, U.S.A.	Die structure for extruding products of various densities.
23.	132119	14-7-1971	Reifenhauser KG, 521 Troisdorf, Frankfurt St., 46-48, Federal Republic of Germany.	Worm extrusion press for plastics.
24.	132186	21-7-1971	Libbey Owens Ford Co., 811 Madison Avenue, Toledo, Ohio, U.S.A.	Soldering.
25.	132577	19-8-1971	Borgs Fabriks Aktiebolag, Norrkoping Sweden.	Aircraft arresting device.
26.	132684	26-8-1971	Ferdinand Hubert Franciscus Gerardus Splingers of Asserpaauk 11, Wageningen, Netherlands.	Apparatus for coding beverages.
27.	132918	15-9-1971	Nilkanth Shridhar Sathaye, Nalanda, D-15, Anushakti Nagar, Deonar, Bombay-14.	A device for locking the supply of fuel gas to the burner of a gas stove.
28.	133052	25-9-1971	Stamicarbon N.V. of, Van der Measensstraat 2, Hoerlen, The Netherlands.	Producing pulsation in a liquid medium contained in a pulsation column.
29.	133246	15-10-1971	The Bunker Ramo Corp., Oakbrook North, Oak Brook, Illinois, U.S.A.	Crimping apparatus.
30.	133293	15-5-1972	Krishna Ramchandra Datye, Amit Building, No. 20, Nehru Road, Vile Parle, Bombay-57.	Constructing reinforced concrete underground structures such as foundations piles, diaphragm walls and device therefor.
31.	133441	1-11-1971	Veb Polygraph, 59, Zweinaundarfer, Straße, German Democratic Republic.	Tensioning device for printing plates.
32.	133580	17-11-1972	The Textile & Allied Industries Research Organisation of Kala Bhavan Premises, Baroda-1, India.	Laborator sizing machine.
33.	133820	1-12-1971	Veb Polygraph, 59 Zweinaudarger strasse, Leipzig, German Democratic Republic.	Device for adjusting the spring force on folding rolls.
34.	133853	6-12-1971	Union Carbide Corp., 270 Park Avenue, New York, New York 10017, U.S.A.	Separation of magnetic particles within an ore.
35.	133857	6-12-1971	Abex Corp., 530 Fifth Avenue, New York, U.S.A.	Metal object sensor particularly for railway wheels.
36.	133914	10-12-1971	Burroughs Corp., Second Avenue, Detroit, Michigan 48232, U.S.A.	Display device including gas cells and liquid crystal cells.
37.	134052	2-9-1972	Ahmedabad Textile Industries Research Association of 1860 P.O. Polytechnic, Ahmedabad-15, India.	Checking uniformity or non uniformity of dent and air spacing reeds.
38.	134385	25-1-1972	SCM Corp., 299, Park Avenue, New York, New York 10017, U.S.A.	Typewriter ribbon cartridge guide support.
39.	134567	10-2-1972	Cluett Peabody & Co., 433 River St., Troy, New York, U.S.A.	Knit fabric.

1	2	3	4	5
40.	134673	19-2-1972	Wilhelm Heger, 8731 Oerlenach, West Germany.	Transversely profiles plastics pipes.
41.	134705	22-2-1972	Glaverbel Mechaniver, 166 Chaussee de la Hulpe, Watermael-Boitsfort, Belgium.	Apparatus for manufacturing sheet glass and sheet glass remitting therefrom.
42.	134706	22-2-1972	Do.	Apparatus for manufacturing sheet glass and sheet glass itself.
43.	134814	3-3-1972	Universal Oil Products Co., No. 10 UOP Plaza-Algonquin & Mt. Prospect Rds Des Plaines, Illinois, U.S.A.	Self adjustment for body support cushion.
44.	135000	20-3-1972	Vysoke Uceni Technicke, Barne, Czechoslovakia.	Injection unit for injection pumps of combustion engines.
45.	135044	24-3-1972	Heinrich Pannenbecker, 53 Bonn-Holzlar, Bergstrasse 23, & Rudolf of 53 Bonn-Endorf, Quellenweg 6, Federal Republic of Germany.	Tubular film blow process for thermoplastic material having hot tack.
46.	135102	29-3-1972	Emhart Corp., 426 Colt Highway, Farmington, Connecticut, U.S.A.	Glassware by press and blow technique.
47.	135407	1-5-1972	Braunschweigische Maschinenbauanstalt, 3300 Braunschweig, Am Alten Bahnhof 5 F.R.G.	Continuously operating sugar centrifugal.
48.	135685	17-8-1972	Anderson Claxton & Co. 1010 Milan St., Tenneco Bldg., Houston, Texas 77002, U.S.A.	Seed delinter.
49.	135696	5-12-1972	The Textile & Allied Industries Research Organisation, Kala Bhavan Premises, Baroda-1, India.	Rotor for open-end spinning.
50.	135697	5-12-1972	Do.	Open end spinning device.
51.	135698	5-12-1972	Do.	Housing for an open-end rotor.
52.	135826	24-5-1972	Emhart Corp., 426, Colt Highway, Farmington, Connecticut, U.S.A.	Drive for Container processing machine.
53.	135898	9-3-1973	Indian Jute Industries Research Association, 17, Taratola Road, Calcutta-53, India.	Flyers for textile machinery.
54.	136016	3-7-1972	Wilhelm Hegler, 350 Fifth Avenue, New York, New York 10001, U.S.A.	Apparatus for the production of pipes or tubes of synthetic plastics materials containing an internal parting wall.
55.	136239	27-4-1972	Fison Lt., Fison House, Grosvenor St., London, England.	Prilling process and prilling head used therefor.
56.	136259	29-9-1972	Envirotech Corp., 537 West 6th South, Salt Lake City, Utah, U.S.A.	A feedwell for receiving feed and discharging it into sedimentation pool.
57.	136278	8-8-1972	Envirotech Corp., 537 West 6th South, Salt Lake City, Utah, U.S.A.	Raking structure for the urging sediment in sedimentation tank.
58.	136351	23-7-1971	Abildgard Lab Inc., 857, Mandeville Avenue, Mountain View, U.S.A.	Forming cased books.
59.	136422	11-7-1972	S.A. des Anciens Etablissements Paul Wurth, 32, Rue d'Alsace, Luxembourg.	Shaft furnace charging equipment.
60.	136482	10-11-1972	Industrie Pirelli S.p.A., Centro Pirelli Piazza Duca d'Aosta No. 3, Milan 20100 Italy.	Radial ply pneumatic tyres.
61.	136642	14-7-1972	Kawada K. K. Kaisha, 4610, Nojima, Fukunomachi, Higashironaigun, Toyama, Japan.	Composite beam made of steel beams and prestressed concrete and its method of manufacturing.
62.	137209	20-10-1972	The Lucas Electric Co. Ltd., Well St., Birmingham 19, England.	Braking system for vehicles.
63.	137467	23-5-1973	Stanadyne Inc., Wilson, Connecticut, U.S.A.	Fuel injector.

1	2	3	4	5
64.	137499	26-9-1972	James William Alfred Westwood, of Flat 4, The Haughs, School Lane, Upton Upon Severn, England & Werenigde B.T. Koolman N. V. of Postthus 10, Papendrecht, Holland.	Vibrator device.
65.	137559	23-3-1973	Caterpillar Tractor Co., 100 N.E. Adams St., Peoria, Illinois 61629, U.S.A.	Brake control system.
66.	137600	26-12-1973	C.A.V. Ltd., Well St., Birmingham 19, England.	Fuel supply system for engines.
67.	137855	5-1-1973	Caterpillar Tractor Co., 100 N.E. Adams St., Peoria, Illinois 61629, U.S.A.	A mounting assembly for slidably supporting a track idler.

**SUPPLEMENTARY—LIST II**

The following patents in the field of Electrical Industry are not being commercially worked in India as admitted by the Patentee in the statements filed by them under Section 146(2) of the Patents Act, 1970, in respect of Calender year 1975 generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose.

1.	86759	5-3-1962	Electrothermal Engineering Ltd., of 270 Neville Road, London E. 7 England.	A method of making flexible electric heating device.
2.	127990	12-8-1970	Lening Metallichesky Zavod imeni XXII Sletza KPSS of Sverdlovaskaya na- berzanaya 18, Leningrad U.S.S.R.	Overspeed protection device of a hydro- generating set.
3.	129400	26-11-1970	British Insulated Calender's Cables Ltd., Processing of wires. 21 Bloemebury St., London W.C. 1, England.	
4.	133373	27-10-1971	Fabbrica Italiana Magneti Marelli S.p.A., Via Guastalla 2, Milan, Italy.	Electric control device for connecting direct supply line of a vehicle traction motor with cut off of the motor controlled supply circuit.
5.	133787	29-11-1971	Siemens A.G., Berlin & Munich, West Germany.	Electrical mechanical fitters.
6.	133925	13-12-1971	The English Electric Co. Ltd., 1, Stanhope Gate, London W1A 1 WG, England.	High voltage monitoring system.
7.	135147	28-4-1973	Council of Scientific & Industrial Research, Rafi Marg, New Delhi-1, India.	Electropolishing of mild steel.
8.	135883	18-8-1972	Union Carbide Corp., 270 Park Avenue, New York, New York 10017, U.S.A.	Resealable vent closure for sealed galvanic dry cell.
9.	136922	17-8-1972	Adrian William Standaart, 5, Bonbrook Circle, Winston Salem, North Carolina, U.S.A.	Multi beam cathode ray tube construction.

**SUPPLEMENTARY—III**

The following patents in the field of Chemical Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970, in respect of Calender year 1975 generally on account of want of request for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose.

1.	127248	24-6-1970	USS Engineers & Consultants Inc., Appatatus and method for pyro- William Penn Place, Pittsburgh, Pennsylvania, U.S.A.	processing into sinter raw materials.
2.	131101	24-4-1971	Mefina S.A., 5 route de Beaumont, Fribourg, Switzerland.	Fuse for a non gyratory projectible.
3.	133216	12-10-1971	Cities Service Research & Develop- ment Co., 60, Wall Street, New York.	Separating liquid and vapour.
4.	133821	1-12-1971	Ethicon Inc., USA, Somerville, New Jersey U.S.A.	Process for obtaining a sterile absorbable surgical suture.
5.	133862	7-2-1971	Universal Oil Products Co, No. 10 UOP Plaza, Algonquin & Mt. Prospect Roads, Des Plaines, Illinois, U.S.A.	Vapour liquid contacting device.
6.	134208	6-1-1972	Hoechst AG., 6230 Frankfurt Main, Federal Republic of Germany.	Shaped articles made of thermoplastic moulding composition on the basis of polyoxy methylenes.
7.	134598	14-2-1972	USS Engineers & Consultants Inc., 600 Grant Street, Pittsburgh, Pennsylvania, U.S.A.	Measuring oxygen content of a fluid.

1	2	3	4	5
8.	135089	28-3-1972	Libbey Owens Ford Co., 811, Madison Avenue, Toledo, Ohio, U.S.A.	Bent tempered glass.
9.	136070	25-4-1972	Cities Service Co., 600 Wal St., New York.	Pelletising process.
10.	136072	16-8-1972	Libbey Owens Ford Co., 811, Madison Avenue, Toledo, Ohio, U.S.A.	Bending & tempering glass sheets.
11.	136107	10-7-1972	Tac Construction Materials Ltd., 77 Fountain St., Manchester M2 2EA, England.	Bounded felts.
12.	136163	30-8-1972	Shell Internationale Research Maatschappij B.V., 30 Carel Van Bylandthaan, Hague, Netherlands.	Pelletisation of soot.
13.	136206	29-1-1973	I.C.I. Ltd., Imperial Chemical House, Millbank, London S.W. 1.	Porous diaphragms.
14.	136350	21-6-1972	Westinghouse Electric Corp., Pittsburgh, Pennsylvania, U.S.A.	Thermosettable pressure sensitive adhesive tape.
15.	136376	16-2-1973	Cuffin Holding Ltd., Daneshill Road, Lound, Retford, Nottinghamshire, England.	Lap jointing sheet of material or synthetic rubber or plastic material.
16.	136409	11-9-1972	Mefina S.A. 5A, Boulevard de Perrolles, Fribourg, Switzerland.	Fuse for non gyratory missiles.
17.	136426	16-9-1972	Allegheny Ludlum Ind. Inc., 2000 Oliver Bldg., Pittsburgh, U.S.A.	Method of heat treating strip material.
18.	136430	27-6-1972	Aikoh Co. Ltd., No. 1-39, 2-choeme Ikenohata, Taito-ku, Tokyo.	Ingots of molten metal.
19.	136630	10-5-1972	Wasac Chemi G.m.b.H., 5 München 2, Lowengrube 14, Federal Republic.	Compression of black powder.
20.	136604	10-5-1972	Do.	Do.
21.	136679	23-2-1973	Skoda Narodni Podnik, Plzen, Czechoslovakia.	Vulcanising press.
22.	136750	19-6-1972	Eastman Kodak Co., 343 State St., Rochester, New York 14560.	Photographic colour image.
23.	136813	9-8-1972	Rhone Poulenc SA., 22 Avenue Montaigne, Paris 8c.	Article designed for biological use and resistant to incrustation in biological use.
24.	136877	13-7-1972	Glaverbel-Mecaniver, Chaussee de la Hulpe 166, Watermael-Boitsfort, Belgium.	Sheet glass.
25.	136878	13-7-1972	Do.	Do.
26.	136458	31-5-1972	The Cumberland Engineering Co. Ltd., 108-114 Derby Road, Bootle 20, Lancashire, England.	Electrolyzers.

## RENEWAL FEES PAID

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 86841 86962 86993 87071 87768 92267 92540 92553 92561  
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 134814 134824 134846 134860 134873 134874 134931 134960  
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 136757 136920 137040 137041 137064 137652 137665 137940  
 138121 138301 138302 138303 138304 138532 138561 138648  
 138778 138872 138910 138964 139021 139118 139170 139398  
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#### CESSATION OF PATENTS

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 77255 77268 77341 77372 77414 77415 77416 77474 77480  
 77637 77683 77689 77732 77746 77768 77780 77817 77895  
 77905 77914 77939 77980 78055 78109 78106 78107 78108  
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#### RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 122550 dated 30th July, 1969 made by Shriram Refrigeration Industries on 15th December, 1975 and notified in the Gazette of India Part III, Section 2 dated the 7th February, 1976 has been allowed and the said patent restored.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

Class 1. Nos. 144401 to 144403. Shankar Daji Kulkarni, S. Daji Bldg., Narayan Peth, Ichalkaranji. (Distt., Kolhapur), Maharashtra State, India, A subject of the Republic of India. "A piston head". June 14, 1976.

Class 1. No. 144549. New Asiatic Industries, of 184, Mandvi Chambers, Samuel Street, Vadgad, Bombay-400009, a registered partnership firm, "Spray pumps". July 24, 1976.

Class 1. No. 144621. Indiana Traders, K-20/III Laipat Nagar, New Delhi-110024. An Indian proprietorship concern. "Two-way fine adjustment valve". August 12, 1976.

Class 1. Nos. 144622 to 144624. Geep Flashlight Industries Limited, of 28, South Road, Allahabad-1, U.P., India, an Indian Company. "A torch". August 12, 1976.

Class 1. No. 144663. Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Calcutta-700 016, West Bengal, India. "Flashlight" August 24, 1976.

Class 1. No. 144721. Narong Scientific Works, C-255, Mayapuri Industrial Area, Phase-II, New Delhi-110027, an Indian Partnership Concern. "Electric thermostat". September 10, 1976.

Class 1. No. 144741. Madan Lal Saboo, of 11-A, Naka Madar, Ajmer, Rajasthan, India, of Indian Nationality. "A hopper". September 18, 1976.

Class 1. No. 144747. Skil Products, 84/94, Central Studio House, Near Air-condition Market, Tardeo, Bombay-400034, Maharashtra, an Indian Partnership Firm, "Bottle opener-cum-stopper". September 22, 1976.

Class 1. No. 144749. Subhash Chand Jain, (An Indian National), of Kumar Kunj, Budh Bazar, Station Road, Moradabad, (U.P.), India, trading as Khandelwal Metal & Surgical Industries, Kumar Kunj, Budh Bazar, Station Road, Moradabad, (U.P.), India "Tea pot". September 24, 1976.

Class 1. No. 144750. Subhas Chand Jain, (An Indian National), of Kumar Kunj, Budh Bazar, Station Road, Moradabad, (U.P.), India, trading as Khandelwal Metal & Surgical Industries, Kumar Kunj, Budh Bazar, Station Road, Moradabad, (U.P.), India. "Milk pot". September 24, 1976.

Class 1. No. 144751. Subhas Chand Jain, (An Indian National), of Kumar Kunj, Budh Bazar, Station Road, Moradabad, (U.P.), India, trading as Khandelwal Metal & Surgical Industries, Kumar Kunj, Budh Bazar, Station Road, Moradabad, U.P., India. "Sugar pot". September 24, 1976.

Class 1. No. 144752. Subhash Chand Jain, (An Indian National), of Kumar Kunj, Budh Bazar, Station Road, Moradabad, U.P. India, trading as Khandelwal Metal & Surgical Industries, Kumar Kunj, Budh Bazar, Station Road, Moradabad, U.P., India. "Tea set". September 24, 1976.

Class 1. No. 144782. Pithwa Engineering Works, 10-B, Ankir Wadi, Chimpisi Bhimji Road, Mazgaon, Bombay-400010, Maharashtra, India, Indian Partnership concern. "Hangers stand", October 11, 1976.

Class 1. No. 144776. Ramkrishna Madhusudan Bhandari, an Indian National, Associate Professor, Staff Q. No. P-3, Nagpur Veterinary College, Campus, Seminary Hills, Nagpur-440006, Maharashtra State, India, "Bovine endometrial biopsy punch". October 7, 1976.

Class 3. No. 144332. Panna International, 118/2, Kalbadevi Road, Bombay-400 002, Maharashtra State, India, Indian Partnership concern. "Stopper with spoon". May 28, 1976.

Class 3. No. 144333. Panna International, 118/2, Kalbadevi Road, Bombay-400 002, Maharashtra State, India, Indian Partnership concern. "Dispenser". May 28, 1976.

Class 3. No. 144334. Panna International, 118/2, Kalbadevi Road, Bombay-400 002, Maharashtra State, India, Indian Partnership concern. "Strainer". May 28, 1976.

Class 3. No. 144349. Brightway Anodisers and Matachemicals Private Limited, an Indian Company incorporated under the Companies Act, 1956 at Ravi Industries Compound, Nawpada, Thana-400 602, in the State of Maharashtra, India, "folding beds". June 2, 1976.

Class 3. No. 144496. Monarch Industries, 315, Wadala Udyog Bhuvan, Naigaum Cross Road, Wadala, Bombay-400 031, State of Maharashtra, India, a Partnership firm registered under the Indian Partnership Act. "Toy". July 9, 1976.

Class 3. No. 144497. Monarch Industries, 315, Wadala Udyog Bhuvan, Naigaum Cross Road, Wadala, Bombay-400 031, State of Maharashtra, India, a partnership firm registered under the Indian Partnership Act. "A paper container-cum-dispenser". July 9, 1976.

Class 3. No. 144517. Ramkrishna Parvatiprasad Lokagariwar, 61/49, "Nalini", Karve Road, Poona-411 004, Maharashtra State, India, a subject of the Republic of India. "A toy". July 14, 1976.

Class 3, Nos. 144625 & 144626. Geep Flashlight Industries Limited of 28, South Road, Allahabad-1, "U.P., India, an Indian Company. "A torch". August 12, 1976.

Class 3. No. 144664. Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Calcutta-700016 West Bengal, India. "Flashlight". August 24, 1976.

Class 3. No. 144754. Vithal Ramji Dahanukar, an Indian National trading as Sainath Products, an Indian Proprietary concern, of Ramwadi, Janki Niwas, Dahanu Road, District Thana, State of Maharashtra, India. "A box for watchstraps or the like". September 25, 1976.

Class 4. No. 144778. Shepunji Beauty Laboratories, Plot No. 66, Marol Co-operative Industrial Estate, Off Mathuradas Vasunji Road, Andheri (East), Bom-

bay-400059, Maharashtra, India, an Indian Partnership Firm, "Bottle with cap". October 7, 1976.

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Design Nos. 139153 & 139407	Class 3.
Design Nos. 139150, 139151 & 139152	Class 10.
Design No. 139405	Class 12.

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Design Nos. 130674 & 132373	Class 3.
Design No. 132372	Class 10.

**S. VEDARAMAN**  
Controller-General of Patents, Designs and  
Trade Marks.

